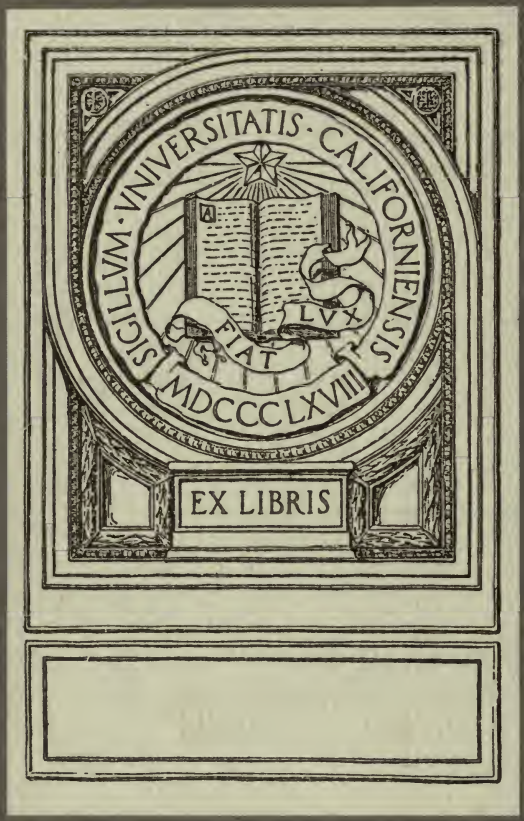
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SUBJECT CLASSIFICATION

WITH TABLES, INDEXES, ETC., FOR THE SUB-DIVISION OF SUBJECTS.

BY

JAMES DUFF BROWN

Author of

"Manual of Library Economy"; "Manual of Library Classification"; "Biographical Dictionary of Musicians"; etc., etc.

LONDON

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Errata.

Categorical Tables, p. 57, the entry ".38 Voyages and Travels" *to be deleted.*

Index to these Tables, p. 78, for the entry "Travels .38" *substitute* "Travels .33"; and for "Voyages .38" *read* "Voyages .33."

p. 86, *add* to entry "**National Schools of Painting**:—" the number 649, thus:—"**649 National Schools of Painting**"

p. 102, after the entry "**C830 Descriptive Astronomy**" *add* "**C840 Astrophysics.**"

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Preface.

THIS system of Classification has been compiled in response to a demand from many librarians in the United Kingdom for a greatly extended version of the *Adjustable Classification*, which was published in 1898. That system was not fully indexed, and its main classes and divisions are only worked out in detail here and there, to suit the needs of the smaller British municipal libraries. There was, in consequence, plenty of room for a much more elaborate and complete scheme, suited to the requirements of British libraries of all kinds and sizes, and this system of Subject Classification is the result. Its plan and method of application are set out so fully in the Introduction, that there is no need to explain here the principles of its construction or aim. The attempt to supply a complete classification of literature for libraries and general educational purposes could be justified on many grounds, but it will be sufficient to claim that a simple, fairly logical and practical method has long been wanted in British libraries.

My best thanks are due to various librarians, and others, who have aided me with suggestions and plied me with unstinted criticism. Without such help the work would be much more incomplete than it is, and I have, therefore, to express my gratitude for the stimulus and aid afforded in so many ways by numerous specialists in different departments of knowledge. In particular I owe very warm thanks to Mr. James D. Stewart, of the Islington Public Libraries, who aided in the laborious work of indexing the scheme, and by his practical acquaintance with other systems, and the work of applying strict classification to books, greatly lessened the drudgery of compilation. I am also indebted to Messrs. R. K. Dent and L. S. Jast, for the suggestive tables printed in the Introduction; and to Miss Alice Jones, of the Islington Public Libraries, for carefully reading the proofs. Notifications of errors and omissions will be thankfully received and acknowledged.

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Introduction.

1. Some observations on the theory of Classification are perhaps necessary, before entering upon a detailed explanation of the method of applying this scheme to books or libraries.

For many hundreds of years it has been a pet exercise of philosophers and logicians to arrange the varied constituents of human knowledge according to some well-ordered plan, which would assemble in one place, and in immediate proximity to kindred topics, all the books or facts relating to a specific subject. Most of these plans have been discussed at great length; some have been approved with reservations, and others condemned outright without reservation. Some of them are the work of great thinkers, and others the experiments of practical men of affairs, in quest of labour-saving devices to facilitate business. No single system of classification succeeds in just exactly suiting its user, or satisfying the demands of other classifiers, from which it may be judged that the whole subject is one of immense difficulty and complexity. To begin with, very few men of science or philosophical theorists can agree as to the exact order of progression to be observed in the arrangement of the main divisions of human knowledge. Each, according to his training or prepossessions, will seek to place his own pet subject of study in the forefront of the sequence, and let all subjects of less personal interest tail off into an indefinite perspective of diminishing value. Thus, the physical science specialist will argue that force and radiation are the genesis of all actions, thoughts or accomplishments, and will therefore plan his scheme of classification to show Physics occupying a leading or central position, from which will be dominated every other science or study. On the other hand, the historical classifier will show in his scheme that the physical sciences are a mere incident in the progress of the world from pre-historic to present times, and promptly relegate them to one of the many annexes of General History, as a useful but by no means indispensable collateral study. The metaphysician will claim pride of place for his special study, on the ground that Ideas precede either matter or record, and will then spread out the foundations of knowledge according to a radically different conception of their relative values and kinds. The sociologist will tell you that nothing in the whole course of human endeavour possessed the slightest significance till mankind became formed into society, with groups capable of discussing all kinds of phenomena, and so he will make every other subject a minor detail in the predominating sociological structure. But the jurist will tell you that such an order is erroneous, as nothing could be discussed, or even formulated, till the establishment of Law in all its varied intricacies. To this the theologian will retort that only Divine Law can be recognised as the foundation of human knowledge, and proceed to show that science, history, law, and art are but different manifestations of religious belief.

The mathematician will tell you that everything in existence is but an expression of Number; while the logician will claim that only reason and system can be properly taken as a basis for classification. As for the chemist ——! Finally, the anthropologist will come along and sweep everyone of the preceding claimants, and all others, into his capacious net, and calmly assert that his study is Man in all his aspects, and that every human science is, therefore, but a branch of Ethnology.

2. The result of these many claims to sovereignty, preferred on behalf of such a number of important sciences, is that Classification has become a mere battlefield for theorists, from which nothing of a very definite or permanent kind has emerged. Systems of classification to suit every theory have been devised, and, in addition, schemes have been prepared in which attempts have been made to meet the needs of every specialist, by endeavouring to gather at one place everything relating to his special subject. The result is that the special schemes based on particular theories, or which treat some select science as paramount, fail because of their limitations outside the favoured field; while the universal schemes, which try to specialize for everybody, fail because they are swollen by endless and needless repetitions, and then do not meet the minor needs of the specialist.

It is inevitable that these failures should result from any attempt to classify human knowledge from particular standpoints. The departments of human knowledge are so numerous, their intersections so great, their changes so frequent, and their variety so confusing, that it is impossible to show that they proceed from one source or germ, or that they can be arranged so that each enquirer will find the complete literature of his special subject at one fixed place. Subjects overlap and qualify each other in every conceivable manner, and they are further complicated by considerations of literary form and the points of view from which they may be studied. Every subject is capable of being treated from a large number of standpoints, and each of these may be the centre of an enormous literature, and form an important study. To illustrate this, I shall assume that there are some thousands of books existing, which have for their theme the Rose in every conceivable aspect. This subject may be considered from any of the following standpoints:—

Biological, Botanical, Horticultural, Historical, Geographical, Ethical, Decorative, Legal, Emblematical, Bibliographical, Poetical, Musical, Sociological, and so on, to any extent.

Works about the Rose may assume the form of Dictionaries, Periodicals, Societies, Catalogues, and so forth; while it may also be considered in reference to Costume, Perfumery, Therapeutics, and similar subjects. Now, it is quite evident that, while there would be enormous practical convenience to the Rose student in having all his material gathered together at one place, so that the literature of the subject would appear in a sequence of forms, categories and standpoints, the same advantage would not be gained by the perfumer, gardener, botanist or bibliographer, who wanted to find all his material assembled at one place. The problem to be solved becomes, therefore—Is it better to assemble at a specific place, or at a more general place, the literature of a concrete subject? To show it more graphically, let me take the case of a work entitled *Bibliography*

of the Rose and show the aspect of the problem when displayed in tabular form under general and more local heads :—

General System.		Local System.	
M760	Bibliography, General.	E600	Rose, General
M760.2	— Encyclopædias	E600.1	— Bibliography
M760.7	— Periodicals	E600.2	— Encyclopædias
M760.10	— Histories	E600.7	— Periodicals
Special subjects—		E600.10	— History
M760.183	Architecture		
M760.371	Biology		
M760.441	Botany		
M760E570	Rosales		
M760E600	Rose		

It certainly appears that the balance of advantage lies with the assignment of the subject to a local head in this particular instance, but it would, in the case of a collection of books, deprive the bibliographer of part of his material. On the other hand, it must be argued that if the bibliographer is able to have all the general and abstract bibliographical works gathered at one place, it will just be as convenient for him to go elsewhere for the special literature of subjects not of themselves bibliographical. It is further to be considered to whom such a book as *The Bibliography of the Rose* would most appeal, and here there can be no disputing the fact that the rose lover would be in an enormous majority. For this reason, and it has a wide general application, I incline to think that, in book classification, the constant or concrete subject should be preferred to the more general standpoint or occasional subject. The topic Rose is concrete ; that of Bibliography is standpoint, and should remain subordinate whenever possible in Classification. But this does not prevent anyone who prefers to use a general head from doing so, as it is only necessary in such a case to apply the general number and qualify or subdivide by the categorical tables, or by combining specific numbers from the classification tables.

3. Constant Place.—In assigning places for a large number of books or topics, there is often a choice offered between two or more enquirers or specialists, and it lies with the classifier to decide which of these has the strongest claim. In general libraries the difficulty can be overcome in many cases by determining how far the subject has constant or only occasional interest for the enquirer. In the case of a book entitled *British Library Law*, the question would arise as to whom such a work would be most constantly useful. As the librarian is daily engaged in applying the law which regulates his work and defines some of his powers, it is perfectly clear that to him, rather than to a lawyer, the book is constantly useful. A lawyer may never have occasion to refer to Library Law in the whole course of his professional career, or may only do so on a few special occasions, consequently the librarian must, in this case, have the preference. Again, a book entitled *Library Architecture* is exactly in the same position. It may never be required by an architect, but is almost inevitably required for constant reference by a librarian, and its place is, therefore, with other books on librarianship. Buildings are designed

to meet certain requirements and to perform certain work. An architect simply follows out certain instructions and carries out merely temporary duties in devising a building according to certain recognised principles of construction. He does not originate the purpose or main arrangements of the building, nor has he to work it as a machine afterwards. All this is done by a different kind of specialist, who only employs the architect as an occasional aid. Such special works as books on the architecture of libraries, churches, slaughter-houses, barracks, hospitals, baths, etc., have, therefore, no special right to be arbitrarily placed under the general class of architecture, but should be put with their actual subjects, where they would be in comparatively constant demand, and close to all relative aspects of this topic. These are strong reasons why, in general libraries, only general and intimately germane subjects should be made the essential divisions of a main class. Subjects which are not general, but feed a more constant demand, should appear as divisions or sub-divisions, or categories of the classes to which they are constantly germane. It would be possible to give many other examples to prove the utility of this rule of preferring a constant to an occasional standpoint for classifying, but it is hardly necessary, as no one can doubt its immense value in the classification of general libraries. With special collections it would, in some cases, be difficult, as in such libraries the necessity for specialisation is more urgent, and many instances will occur of books offering a choice of subjects which may seem of equal rather than of constant or occasional importance. In such cases the classifier must consider the special needs of his collection, and assign places accordingly.

4. Classification *versus* **Cataloguing.**—One of the principal causes of confusion in the classification of knowledge, as contained in books, is the failure to distinguish between classification and cataloguing. Classification may be defined as the art of placing one copy of a book in that part of a library where all similar books on the same subject are kept. It is physically impossible to make the same copy of one book act as a cross-reference from a standpoint to a concrete subject, or *vice versa*, because it can only occupy one place at a time, and no one would dream of using ten, twenty or one hundred copies of the same book in order to place one at every subsidiary subject of which it treated. The problem of classification is thus complicated by the physical necessity, imposed by the form of books, of choosing only one place in which to class a given book; and, naturally, it is to be supposed that the place chosen will be the most useful, or one most likely to be resorted to by the largest number of enquirers. With cataloguing there is no such physical difficulty. The entry of a book can be multiplied to almost any extent; a book can be shown under every imaginable subject; cross-references of all kinds can be easily made; and no question can arise of increasing the number of books or the size of the library. It is largely due to a misunderstanding of the fact that a catalogue is to a great extent but an index to a scheme of classification, that so many persons obtain the idea that books in an actual arrangement on the shelves should appear at every possible class, phase, form or subdivision. It is very important that this fact should be borne in mind in every question relating to exact classification, because no scheme, however detailed, can be made to serve the purpose of a catalogue in all

that relates to repeated entries, cross-references, and the assembling at various heads of the whole literature of a topic, whether contained in special or in composite and encyclopædic works.

SUBJECT CLASSIFICATION.

5. General Principles.—Like every other system of exact classification, this one is arranged, as regards its main divisions, in a logical order, or at any rate, according to a progression for which reasons, weak or strong, can be advanced. Its basis is a recognition of the fact that every science and art springs from some definite source, and need not, therefore, be arbitrarily grouped in alphabetical, chronological or purely artificial divisions, because tradition or custom has apparently sanctioned such a usage. The divisions seen in most classifications in vogue—Fine Arts, Useful Arts and Science, are examples of the arbitrary separation of closely related subjects, which in the past, have become conventional, and it may seem heretical even at this late time to propose a more intimate union between exact and applied science. Nevertheless, this is what has been attempted here, and those who use the scheme will find many departures from established convention which may at first sight appear a little drastic. The alliance of Architecture and Building, Acoustics and Music, Physical Electricity and Electrical Engineering, and other groupings of a similar kind are departures from the convention that there exists a clear difference between theory and practice, pure and applied science, and so on, which renders their amalgamation undesirable. The old distinction between theoretical and applied science is gradually disappearing from all modern text-books, and it is obvious that, as the systematisation of science and its teaching improve, the separation between physical basis and practical application, hitherto maintained, will no longer be insisted upon. In this scheme of Subject Classification every class is arranged in a systematic order of scientific progression, as far as it seemed possible to maintain it; while applications directly derived from a science or other theoretical base, have been placed with that science or base. Composite applications of theory have been placed with the nearest related group which would take them without strain, and, as a general rule, all through the classification the endeavour has been to maintain a scheme of one subject, one place.

6. The Order of the Main Classes.—The reasons which determined the adoption of a certain sequence of classes in this system may be briefly set forth here, instead of any argument or attempt to justify the order. The battle which has raged, and is still raging, among scientists, as to the best and most desirable order in which to arrange the great branches of human knowledge in order to produce a "hierarchy," must deter a non-scientific classifier from arguing on such a complicated and difficult topic. It will, therefore, suffice, if I briefly describe the main classes in their order and give reasons why they were assigned to the places they occupy.

A GENERALIA.—The divisions of this main class comprise most of the rules, methods and factors which are of general application, and which qualify or pervade every branch of science, industry or human study. They are universal and pervasive, and cannot be logically assigned to any other single main class as peculiar or germane to it.

B–C–D PHYSICAL SCIENCES.—Matter, force, motion and their applications are assumed to precede life and mind, and for that reason the material side of science, with its applications, has been selected as a foundation main class on which to construct the system.

E–F BIOLOGICAL SCIENCE.—Life and its forms, arising out of matter, occupy the second place among the main classes, and here are put general biological theories and facts, followed by plant and animal life, each in an ascending order from low to high forms of organization.

G–H ETHNOLOGICAL AND MEDICAL SCIENCE.—Human life, its varieties, physical history, disorders and recreations, follows naturally as a higher development of plant and animal life, and completes the biological chain.

I ECONOMIC BIOLOGY AND DOMESTIC ARTS.—The applications of plant and animal life to human needs, placed midway between the physical and mental attributes of man as indicating the primitive exercise of mind, and to assemble in one sequence the chief biological subjects. As a matter of practical convenience, rather than logical necessity, it was thought better to keep composite subjects like Agriculture, Clothing, Foods, etc.—involving questions of origin, use and manufacture—all in one place, close to the main classes from which they are derived, rather than to distribute them more closely at Botany or Zoology.

J–K PHILOSOPHY AND RELIGION.—Mental attributes, order and beliefs of human life, following naturally from its physical basis, and primitive manifestation in the instinct of procuring food and clothing.

L SOCIAL AND POLITICAL SCIENCE.—Social order and laws of human life. Placed here because, although society or family and other tribal organizations may have preceded religion, mind, as embodied in philosophy, must have preceded both.

M LANGUAGE AND LITERATURE.—Communication and recording in human life. The spoken, written and printed word, which grew as a necessity out of the primitive operations of mind.

N LITERARY FORMS.—The products of communication and recording in human life in their more imaginative forms; placed here on the ground that fable probably preceded more formal history.

O–X HISTORY, GEOGRAPHY, BIOGRAPHY.—The actions, records and description of human life and its dwelling place. Arranged in this order and at this place because of their intimate connection. Geography, although logically related to Physiography, and Biography to Ethnology, are, nevertheless, as a matter of practical utility, and because of the literature actually existing, more naturally grouped here than separated.

The order of the classes may, therefore, be briefly described as expressing :—

1. Matter.
2. Life.
3. Mind.
4. Record.

7. The Notation.—After many attempts to secure extreme simplicity in the Notation to be used for the purpose of briefly indicating subjects and groups of subjects, it was found that very short numbers or symbols were impossible in cases of complex topics. As regards the numbering of books, for example, there are many cases in which it is necessary not only to distinguish between a main class and its divisions and subdivisions, but also to indicate locality, form, differences of authorship, of title, of work and even of edition and copy of work. For these reasons it was thought desirable to construct the Notation on the widest possible base, assigning letters of the alphabet to the main classes in convenient groups, and giving numbers to every subject which was thought to possess a large literature. Thus, instead of crowding the Physical Sciences at one letter like B, they have been much more conveniently spread over B, C, D, with the result that important subjects like Railways and Shipbuilding are not mingled together at one number which must be especially sub-divided, but have seventy numbers allotted to them, and each number can be sub-divided to any required degree by means of a separate table of forms and categories. Thus is produced a sequence of main classes, divisions and subdivisions, which are differentiated as far as possible by means of letters, figures, indentations, and varieties of type. The advantage of this plan may be shown by an example from the tables :—

U900 **London**
U901 North of the Thames
U902 West London
U903 Hammersmith
U908 Westminster
U911 Westminster Abbey

Here is clearly shown London in bold type ; then the whole Metropolitan area north of the Thames as a division ; then the area known for administrative purposes as West London ; next the separate boroughs in West London ; and finally, an important historical subject in the city of Westminster as subdivisions. Each of those topics is expressed by a simple symbol, consisting of a letter and three figures, and again each of the subjects can be subdivided by means of the form and categorical tables, without in any way interfering with the numbers of the main tables. All numbers which express classes, divisions or subdivisions are, therefore, the same, the only difference being that subordinate topics or subdivisions are shown by means of indentations. It is thus easy to take any number, whether it represents a subdivision or main division of a topic, and qualify it by various methods.

8. National Numbers.—In using national symbols to qualify a topic, it is necessary only to use the class letter and first figure of the place, and to add to the topic number in order to show subject and locality. Thus,

a general work on Freemasonry in Russia would be marked L185S0, instead of L185-S000 or L185.S000. There is no need to divide the topic from the place number by means of dots or dashes, and all through it must be understood that the principal countries are to be expressed by letter and first figure of number only, as shown on the Summary Tables. In the case of extremely minute subdivision it may be necessary to closely localize a topic, say such as Freemasonry in Texas, in which case the number, for clearness, should be L185W328, and not L185W1, which would express the United States and not Texas. None of the National or Race names appear in the Categorical Tables, and it is, therefore, necessary to take them from the full Classification Tables. It is sometimes necessary to qualify a topic by a race or language number instead of a national one, and it is then best to use the whole of the language mark, thus :—

Pali Freemasonry L185M260.

Such subdivisions are, however, rarely required, and it is best under every circumstance to use the geographical rather than the linguistic national numbers.

9. New or Intercalated Numbers.—If any new or other subject is found unrepresented in the tables, either as a general covering head, or special topic, a place for it can be made at any point by treating the existing numbers as decimals, and adding the units from 0 to 9 as found necessary. Thus, suppose places are specially wanted for bodies named Christadelphians, Christian Strugglers, Christian Travellers, Christian Worshippers, and it is necessary to insert them between K951 and K952, they can be added thus :—

K951	Catholic Apostolic Church
K9510	Christadelphians
K9511	Christian Strugglers
K9512	Christian Travellers
K9513	Christian Worshippers
K952	Christian Endeavour Society.

Or, if other intercalations are probable, the odd numbers should be used, so as to still leave room on each side of numbers :—

K951	Catholic Apostolic Church
9510	Blank
K9511	Christadelphians
9512	Blank
K9513	Christian Strugglers
9514	Blank
	etc.

By this means ten entirely new places can be found between every existing number, apart from the large number of spaces already purposely left blank all through the classification. Of these there are about 10,000, making with the 14,000 extra places now provided, a total of 24,000. But there is no reason apart from a long symbol, why five figures should not be used in the main number, if thought desirable, or why, indeed, the additions to the decimal main numbers should not run on to 100 or even 1000 places. But it seems extremely unlikely that, even in the very largest

universal library, such a profuse numbering power would ever be required. But if so, the numbers would assume the following proportions :—

TWO FIGURE ADDITIONS.	THREE FIGURE ADDITIONS.
K951	K951
K95100	K951000
K95101	K951001
K95102	K951002
K952	K952
K95200	K952000
K95299	K952999
K953	K953

In all cases added figures must be used without the decimal point [K95100], as the point is used for distinguishing the categorical numbers. An interleaved copy of the classification is necessary in cases where additions are made, as new subjects should be written both in the Tables and Index.

10. Subjects which are not provided with a special number can either be placed under the nearest general head which will contain them, or they can have new places assigned by means of the intercalated numbers, as shown above.—It is, of course, absolutely impossible to make places for every subject which has existed, or still exists, to originate books, and it follows that some kind of inclusive head must be used instead. For example, take a French department, an English county, or a Russian government from the tables, and it will be found that hundreds of places are omitted. Numbers have only been given to capitals, county towns, cathedral cities, and in the United Kingdom to county and municipal boroughs, and in Scotland to Royal burghs. Beyond these there are numerous towns, districts, parishes, villages and other areas of historical interest, which could not receive numbers without swelling the tables and index to an enormous extent. So it is with every science, art or department; many minor subdivisions have been omitted. Take the case of U760 Hertfordshire, for example. Places are found for the county, the county town, Hemel Hempstead, and the cathedral town of St. Albans. But Bishop's Stortford, Hatfield, Ware, Hitchin, Watford, Hoddesdon, Knebworth, Rickmansworth, Berkhampstead, Stevenage, Cheshunt, and many other places are omitted, notwithstanding the literature which exists about some of them. What must be done in cases like this is to **number the book with the county number, and distinguish it from the general county books by adding the mark .02,** to indicate that it is subject to re-arrangement. Hatfield thus becomes U760.02. Another plan is to interpolate fresh numbers, as shown in Section 48, in which case Hatfield might be U7625. As regards very large local collections, it is best to use the marks provided in Section 48. All other classes must be treated in a similar manner.

11. The Categorical Table.—In the absence of a more expressive portmanteau word, "categorical" is used to denote a table of forms, phases, standpoints, qualifications, etc., which apply more or less to every subject or subdivision of a subject. It was thought unwise to load the Classification Tables themselves with repetitions of such categories, or

to provide numbers for the same forms and phases over and over again in a manner like the following :—

U900	London	
U901	—	Societies
U902	—	Periodicals
U903	—	Bibliography
U904	London, North of Thames	
U905	—	Societies
U906	—	Periodicals
U907	—	Bibliography
U908	—	History

and so on.

The effect of this would have been to extend the tables to at least one million places, without any advantage. It was therefore determined to relegate the whole of those form and other qualifications to a separate table, and to use its numbers for the subdivision of any topic as required. A complete list of such qualifying factors was therefore drawn up and separately indexed, and each category or subdivisional word was numbered after a point, so that a distinction should be made between any main number, original or additional, and the number which qualified it. Thus London in General, as a subject, preserves its own letter and number—U900, and it is subdivided by means of the categorical numbers in this manner :—

U900	London, General	
U900.1	—	Bibliography
U900.2	—	Dictionaries
U900.6	—	Societies
U900.7	—	Periodicals
U900.8	—	Collections
U900.10	—	History

Applied to a subject like Botany, the following subdivisions are obtained :—

E100	Botany, General	
E100.1	—	Bibliography
E100.2	—	Dictionaries
E100.3	—	Systematic Text-books
E100.4	—	Popular Text-books
E100.5	—	Philosophy and Theories
E100.6	—	Societies
E100.7	—	Periodicals
E100.10	—	History
E100.32	—	Archæology
E100.56	—	Exhibitions
E100.57	—	Museums
E100.59	—	Pictorial Side
E100.66	—	Methods of Teaching
E100.70	—	Methods of Study
E100.71	—	Schools
E100.89	—	Classification

Etc., etc.

Similarly, when applied to a subdivision of Botany, the same method is adopted of adding numbers from the Categorical Tables, as :—

E427	Orchids,	General
E427.1	—	Bibliography
E427.3	—	Text-books, Systematic
E427.4	—	— Popular
E427.6	—	Societies
E427.7	—	Periodicals
E427.10	—	History
E427.56	—	Exhibitions

Whatever subject or sub-division may be divided up in this way, the result is always the same, .1 is always Bibliography, .10 always History, and .89 always Classification, and when any number comes after a point, it is clearly a sub-divisional one, taken from the arbitrary Categorical Tables. A large number of the items in these Tables will not apply all round, and in the case of forms, standpoints and other categories affecting Biology, Churches, Languages, etc., it will be found that many names are introduced which will only apply to such subjects. For instance, in the case of a collection of books on the English or any other language, the subdivision would be effected by means of the Categorical Tables, as follows :—

M523	English	(Current) Language, General.
M523.1	—	Bibliography
M523.2	—	Dictionaries (subjects, not words)
M523.10	—	History
M523.873	—	Abbreviations
M523.875	—	Pronunciation
M523.877	—	Grammar
M523.897	—	Lexicons (Dictionaries), Words
M523.900	—	Dialects
	Etc.	

Other examples will be given when the application of the Classification is explained class by class, so that it is needless to multiply cases here. Enough has been described to make it clear how this separate table of categories can be applied to the subjects of the main classification.

12. Application of the System: General.—The fundamental idea of this scheme of Classification is that of assembling everything relating to a topic at *one* constant or unmistakeable place. As already explained, this is effected by providing a certain order of classes, in logical order, with divisions and subdivisions; means of intercalating new subjects; and a method of subdividing subjects into forms and other categories by means of a separate table of numbers.

All through this scheme an effort has been made to place each subject as near as possible to the science on which it is based. Where a subject assumes great complexity because of the number of sciences which enter into it, an endeavour has been made to place it in juxtaposition to the predominant science on which it is chiefly based. Agriculture is, therefore, put after Botany and Zoology; the mechanical side of the subject being considered subordinate. There are other cases of an apparent divorce

between allied topics, but many of the most closely related subjects are connected by means of cross-references, so that a certain amount of inter-relationship is shown.

Practical use has been considered all through the scheme, and it has been sought to obtain this by dispensing with conventions, distinctions and groupings, which are arbitrary rather than scientific. Classes like Literature, Useful Arts, Fine Arts, Extractive Arts, Mechanic Arts, etc. are examples of arbitrary or standpoint groupings which have been avoided and as far as possible, unreal distinctions, such as those between Architecture and Building, Costume and Dress, Numismatics and Currency have been ignored. The tendency in many classification schemes is to consider the archæology of a subject as a new science, and thus it has become a convention in many quarters that knowledge must be regulated by museum standards. It is this convention more than anything else which is responsible for the current belief that there can be no relationship between old coins and new; armour and the art of war; gems and mineralogy; harpsichords and music, and so on, *ad infinitum*. The collector has, by persistent work in special grooves, succeeded in establishing the idea that mere separation in time is sufficient to destroy any close relationship between identical things. It will be found that any kind of sentimental regard for conventional grouping is given but a small place in this scheme, not only because it is unscientific, but necessity makes it imperative in a classification, that only one place shall exist for one subject. With these remarks on " .5 theory," the consideration of some general applications of this particular scheme may be entered upon.

13. Composite Books or Subjects.—Books on more than one subject are to be placed at that first named on the title-page, unless it is ascertained that the predominant place is occupied by another subject. In many cases special numbers are provided for composite books on subjects like Electricity and Magnetism, Orkney and Shetland, and so forth, but it was not possible to find places for the many possible combinations of subjects.

Composite books should be marked in such a manner as to indicate clearly that they are on more than one subject. For example, a book entitled *Heat and Sound* might be marked C200 + 300, and one on Logic and Rhetoric A300 + M170. The most convenient place for such composites would be at the end of the subject, and, of course, the catalogue would have to indicate the existence of the second or third subjects. It is not advisable to go beyond combinations of three in marking. Should a book treat of three or more subjects in the same class, it is best to place it at the general head; as, for example, a book on *Light, Sound and Heat* at Physics. Occasionally books are met with which, without being encyclopædic, nevertheless treat of three, four or more remotely related subjects. In such cases it is best to classify them according to the predominant subject matter.

14. Locality *versus* Subject.—This is one of the most difficult problems

ecclesiology, flora, fauna, etc., and the temptation to select locality in preference to real subject-matter is often irresistible. A *History of York Minster* may be put under Cathedrals, Architecture or York, and doubtless other heads in any classification, and the question which must decide its ultimate placing is "Where will it be most constantly useful?" The majority of persons, other than specialists, would say York, and undoubtedly the local attraction seems enormous in this particular case. Grant's *Edinburgh Castle* might be numbered B972V331 at "Fortifications," subdivision "Castles," where it would be lost to the person interested in Edinburgh and absolutely useless to the soldier. The majority of classifiers would doubtless number it V331.225; and it is difficult to understand how works on castles, abbeys, churches, streets, etc., can be appropriately or conveniently classed on their purely physical or art sides, when their whole scope and interest is historical, archæological and local in nine cases out of ten. This holds good in the case of nearly all local monuments, landmarks and buildings, and for that reason it is one of the rules of this classification scheme that **local numbers should be given to the following subjects:—**

Local Ecclesiastical Buildings, Abbeys, etc.
— Churches and Chapels
— Cathedrals
— Palaces
— Mansions
— Castles
— Streets
— Monuments (other than Statues)

This rule applies in every case, and includes architectural books, pure and simple, diocesan or other histories, and generally any aspect or phase of the subject. In several cases throughout this scheme, as at London and Paris, this local treatment has been adopted in the tables by assigning special numbers to local buildings, etc., of great renown.

In all other cases the subject number must be used with local or other qualifications as may be necessary, thus:—

The Flora of Surrey	E172U830
The Geology of Arran	D398V222
Freemasonry in Russia	L185So
Cathedrals of the World	J851
— of France	J851Ro

It will be seen that castles, cathedrals, etc., *in general*, are placed with the subject instead of at locality, and for this variation it is only necessary to point out that local interest evaporates in proportion to anything becoming universal, and that the most constantly useful place for general works on buildings will be at the subjects with which they are associated. This might not seem to apply to works like local floras and so forth, but, as a matter of fact, books on local botany, geology, zoology, etc., are really text-books for a whole science, and have no interest for merely local purposes. From these rules special local collections must, of course, be excepted, and in cases where it is necessary, the local number,

subdivided by the categorical tables, and such other extra numbers as may be added, will be found to answer every purpose. *See* Section 48.

The limitation adopted for local books will be found quite workable and practical in actual use, and it might be pointed out that in all necessary cases the catalogue will index under any heading what must be omitted by the classification. It is hardly necessary to point out that most subjects have a national or local character, and that a classification on such lines is quite practicable, though it would be almost useless, save as regards such subjects as are especially assigned to locality above.

15. Application of the System by Classes.—In using this scheme of classification one rule must always be observed in applying numbers to books, and that is, **the number of a subject in the Index is the number to be given to a book whose subject has been definitely ascertained.** Whatever categorical or other numbers may afterwards be applied, the *one* place number is the Index number, unless, on turning it up, there appears to be a comprehensive entry including many numbers, in which case the Tables themselves must be consulted. Thus, the number of Coffee in the Index is E917, and at this place must be collected *everything* relating to coffee, regardless of standpoint, form or other qualification. E917 may be qualified in the usual way by means of the Categorical Tables, but it must not be put under such headings as Tropical Agriculture, Beverages, Crops, Foods, Drugs, Ethics, Bibliography, Customs, or any other general head. In cases where inclusive numbers are given in the index, like Crops, I013-31, it is necessary to consult the entry in the Classification Tables in order to ascertain the range of the subject.

With these general remarks, the application of the system to individual classes may now be considered.

RULES FOR SPECIAL CLASSES.

16. A Generalia.—Numbers A000 to A070 are for universal works only, general cyclopædias, periodicals, museums, collections, etc. A003 is a place for uniformly edited and bound editions of the collected works of authors like Goethe, Scott, Carlyle, De Quincey, Hugo, Voltaire and other miscellaneous writers, whose works it may be undesirable to distribute. A002 is intended for libraries of general writers, and A001 for all kinds of general collections other than those on special subjects. *See also* Section 46.

It must always be remembered that every division in this classification is a general one to begin with, and that special applications must go with the specific subject, to which the categorical number can be added. Thus:—

A320 is Classification in general; but Zoological Classification would be F000.89; Botanical Classification, E100.89; Geological Classification, D300.89; Historical Classification O000.89, and so on.

A600 and onwards are the numbers for the pictorial side of subjects in general, but illustrations of specific subjects must go with the subject and have the categorical number .59 added. A series of pictures, without text, or merely titles, entitled "Historical Cartoons," of a general nature, would be numbered O000.59, but if it dealt only with the history of France (R000.59) or Normandy (R230.59), or Rouen (R234.59), then it would

be numbered as shown. Collections of the works of individual painters, like a "Wilkie Gallery" or "Rubens' Pantheon," would be numbered A680, and be subdivided by the numbers of the Biographical Table. When the literary matter connected with the works of an artist is greatly in excess of the pictorial, it is best in many cases to transfer the work to Biography.

It is always extremely difficult under ordinary circumstances to number and distinguish clearly works like the following:—

A639 + 616	Landscape Painting in Water Colours
A639 + 615	— — in Oil Colours
A639 + 617	— — in Monochrome
A639 + 626	— Drawing in Pastels
A639 + 624	— — in Chalk
A638 + 627	Sketching from Nature in Pen and Ink
A642 + 616	Flower Painting in Water Colours
A634 + 615	Portrait Drawing in Oils

The numbers attached to each entry above will show how this should be done. Without multiplying numbers by providing separate places for every possible combination, it is difficult to make the various methods and mediums clear. A950 is a place for collecting Scientific Surveys and Travels, if it is considered unsuitable to place them in the Historical and Geographical division. The "Challenger" reports and papers would go here, and works of a similar character, but it is doubtful if more local works of a scientific nature should also go here. Much will depend upon their general trend. Some books of scientific travel are a compound of geology, meteorology, philology, ethnology, botany, zoology, adventure, history, topography and sociology, which are most useful when placed at their local numbers. Others are largely description and sport, while some are restricted to the study of particular aspects of animal or vegetable life. The proper place for such books must be decided by the classifier, but as a general rule, all purely scientific surveys of a general kind should go at A950, while all others should get local numbers.

17. B-C-D Physical Science.—B110 Machinery, Implements, etc., in general, are assembled here, but the special instruments or apparatus connected with specific arts and sciences must be placed with the arts or sciences, and qualified by the categorical number .167, unless a special number has been assigned, in which case the index will show it. For example, C152 is the place specially reserved for the Telescope, but a Theodolite, without a numbered place, would have to be numbered as D020.167 to indicate its position as an instrument used in surveying. There is no special number assigned for Library or Railway Indicators, although there is a place for Indicators in general (B647), consequently they would require to be numbered M962.167 and B523.167 respectively. The numbers from B110 to B154 are for Machinery in general, and not for special engines, which have special places. B112 Stationary Engines may be driven by steam, electricity, wind, water, gas, oil or other power, and it would, therefore, be incorrect to put a book on the Stationary *Steam* Engine here. The most constant place would be C280, where a number is provided for the purpose. But works on stationary engines

in general must have a place, as well as the different kinds of engines, and for such books this general place has been provided. On the other hand, the best constant place for an electric lift would probably be B120, as in this case the motive power is less important than the purpose of the mechanism.

18. Architecture.—Books on buildings for specific purposes, should be placed at the subject, with the distinguishing categorical number .185. This rule applies to every kind of special building, and it will be seen that the numbers B300 to B490 are reserved for general works on Architecture, on construction, details, history, etc.

19. Music.—In cases of very large collections, it is advisable to group and subdivide instruments and forms, by combinations of numbers, as in the Graphic Arts, keeping in mind the question of what constitutes the most constant place. For practical purposes it is probably most useful to number by instrument and divide by form. At C475 Gavottes, a place is provided for the literature and general works on the Gavotte as a dance, but after this need is fulfilled, it seems best to put music in this form at the instruments for which it is written :—

C612 + 475	Gavottes for	Violoncello *not* C475 + 612
C626 + 475	—	Harp *not* C475 + 626
C647 + 475	—	Pianoforte *not* C475 + 647
C721 + 475	—	American Organ *not* C475 + 721
C758 + 475	—	Military Band *not* C475 + 758

There is a practical convenience about this course, which arises from the fact that arrangement by instrument is the almost universal practice of music publishers. In arranging duets, always use the number of the solo instrument, as C687 + 647 "Duets for Flute and Pianoforte," which at once distinguishes the character of the piece. Combinations of more than two instruments must be arranged at C767, etc., qualified by form numbers.

20. Poetry and Music.—In cases of collections of songs, hymns, etc., which are provided with the words and tunes only, without accompaniments or other specially musical additions, number at N1 (Poetry). In all other cases, however full the poetical text may be, if accompaniments are given, number as Music, viz. :—

N102V0 Chambers. Songs of Scotland prior to Burns. (Tunes only)
N102U3 Kidson. Traditional Tunes. (Tunes only)

But

C591V0 Graham. Songs of Scotland . . . with pianoforte accompaniments.

Operas, oratorios, etc., must be treated as Music, and numbered accordingly. References or entries relating to poets and librettists must be furnished in catalogues.

Monographs and books on **Rocks, Minerals, Chemical Compounds,** etc., not represented in the index should receive the number of the nearest group to which they belong.

21. E–I Biological Science.—Special aspects of plant and animal life can be shown either by combining the numbers of general biology with the subject number, *i.e.*, F237E026 *Respiration of the Cuttle Fish*

or by using the categorical numbers—F237.390; or E392.370 *Evolution of the Onion*, which is usually the best way. In most cases the additional numbers of the Categorical Tables will be found sufficient, but in cases where it fails, recourse must be had to combination. The extraordinary number of processes, functions, organs, etc., connected with Biology—vegetable, animal and human—makes such a plan necessary, as it is impossible, without greatly enlarging the General and Categorical Tables, to provide separate places for everything. Places have been found for all the chief departments of human biology, as distinguished from Comparative Biology, but in cases where it is necessary, combination of numbers must be resorted to for minute classification.

22. J–K Philosophy and Religion.—The distinction between general or Comparative Theology—J400, etc., and K320 Christian Theology—must be carefully noted, otherwise many mistakes will be made in confusing the general idea of a God, or supreme power, Sin, Punishments, etc., with the Christian idea. Here again, provision has been made in the Categorical Tables for subdividing, say, Buddhistic Eschatology from Christian Eschatology. The instructions in the tables for keeping general works on Church Doctrine—J600, and Church Government J800—separate from works on the doctrine, government or institutions of single churches or beliefs must also be carefully noted. The difference is best shown by examples :—

J 630	Hones.	Liturgies of the World (General)
K750.685	—	Liturgy of the Church of England (National Ch.)
K740.685	—	Prayer-book of the Unitarian Chapel at Highgate
U916		(Local)

The effect of this is to place all general liturgies, hymnals, etc., at the general heading, while keeping the prayer-books, etc., of special churches with the other matter relating to such churches, which, in a vast majority of cases, would be the most constant place. It is possible, by using these church plus categorical numbers, to disentangle the vast literature of religion, which in some libraries is hidden away under one number ! The most minute distinctions can be shown without the use of an immense symbol, and due respect is paid to the general and special aspects of every department of Ecclesiastical Doctrine and Government.

23. M Language, Literature, Bibliography.—Each separate language must be subdivided as regards forms and subjects—grammar, dictionaries, pronunciation, etc.—by the numbers from the Categorical Tables. **Dictionaries** of more than one language are to be arranged under the language which is not that of the nationality of the library, *i.e.*, Greek-English, French-English, English-German dictionaries would, in an English library, be numbered at M457.897 Greek, M435.897 French, and M564.897 German respectively. In a German library the same local treatment would occur. In the case of German-Latin, French-Greek, Italian-Russian and other combinations, arrange in an English library under the name of the language which comes first in alphabetical order.

Languages and Literatures go together. In many cases separate numbers are provided. In others—comparatively unliterary languages—one number is given at which both language and literary history can

be assembled. They can, however, be divided by means of the Categorical Tables, thus :—

M227.867 Numidian Language
M227.915 — Literary History

24. O–W History and Geography.—This heading includes civil, church, military, and social history, and excepting in the case of individual churches, all national ecclesiastical histories are assembled at the country to which they relate :—

R000.16 Ecclesiastical History of France

Historical events which are the subject of separate books are, unless a special place is provided, to be placed in the reign of the monarch who was in power when they occurred, *e.g.* :—

V551 Gunpowder Plot

These regnal numbers thus become the place of assembly for all the royal biographies, state papers (general), histories and special monographs on any event of an historical nature which occurred during the reign. It is sometimes difficult to find exact places for some events, but generally, if they are spread over two or more reigns, it is best to place them in the reign when they commenced. To secure minute subdivisions in a reign the Chronological Tables can be used—V551fz. Battles are to be numbered in the countries or towns where they were fought, unless general battles, which go in 0006, or battles of a national kind which cannot be closely localised, like " Battles of Belgium "—T200.20.

25. Special Local Collections, when very large, can, if necessary, be removed from the main classification and re-arranged at the unappropriated class letter **Y,** under such special divisions as may be necessary, or those printed in Section 48.

26. X Biography (including Correspondence and Criticism).—At this class are collected all general biographies and collective biographies of particular groups. Also the biographies of individuals, in an alphabet of biographical names, to be fixed by the special Combination Tables at X300, etc. When it is thought better to distribute the individual biography at subjects, a very inconvenient and frequently impossible task, the subject of the biography must get the topic number from the Classification Tables, plus the categorical number for Biography :—

C400.41 Thayer's Beethoven
A676.41 Thornbury's Life of J. M. W. Turner

The main difficulty in the way of distributing Biography throughout subjects is the impossibility, in numerous cases, of determining in which class a man is most known. Buckingham, who

" Was chemist, fiddler, statesman and buffoon,"

is just the type of man who cannot be classified, and there are thousands like him. Apart from this, there are practical difficulties in the way so far as libraries are concerned, and unless for special purposes, biography should invariably be kept by itself. In collective Biography, topic is to be considered paramount to race, nationality or sex.

27. Criticism, Ana, Biographical Collaterals.—Should criticism and commentary go with the life of the person who provokes it, or with the

works or deeds which he accomplishes? This is a difficult problem, as it is hard to determine, for example, what is the most constant place for criticism on Shakespeare and his works, in whole or in part. For convenience sake it is thought best in this classification to **gather all general criticism and commentary at the Biographical number, but to place commentaries and elucidations of single works with such works.**

Examples :—

X7860	Gervinus. Commentaries on Shakespeare
X7860	Hudson. Shakespeare, his life, art and character
$\frac{N250.919}{7860}$	Robertson. Titus Andronicus
X7860	Martin. Shakespeare's Female characters
X7860	Ellacombe. Plant Lore of Shakespeare
X7860	Hazlitt. Characters of Shakespeare's Plays
$\frac{N250.919}{7860}$	Halliwell-Phillipps. Memoranda on *Love's labour lost*

See also Section 47 for Mr. Dent's proposed arrangement of Shakespeare

The effect of such an arrangement is to assemble every general or personal biography, study, criticism, or the ana of a celebrated individual at one well-defined and easily found place. On the other hand, studies of great works, like the numerous expositions of Dante's *Inferno*, would naturally go with the poem, while the biographies of Dante would take the biographical number.

28. Biographical Numbers for subdividing and maintaining Alphabetical order (X300, etc.). This table is to be used exclusively for numbering authors in any subject where necessary, so as to distinguish one from another. In large libraries this will be found necessary in many cases, both under subjects in catalogues and elsewhere. But in individual biography, fiction, poetry and other classes it will be found useful in providing a fixed place for most alphabetical combinations, and assembling similar names at one place. With regard to the distinction of authors under subject-heading, the following examples will show clearly how the numbers are applied. As indicated by the table itself, numbers are substituted for every arrangement of two or three letters of the alphabet, and by combining these when necessary any alphabetical combination can be numerically expressed.

E100.3 Botany: Systematic Text-books.

Biog. No.	
3262	Baillon. Natural history of Plants
3306	Bentley. Botany
3408	Bower. Practical Instruction in Botany

Written on cards and books $\frac{E100.3}{3262}$ $\frac{E100.3}{3408}$ etc.

For registering purposes Bower would be numbered $\frac{E100.3}{3408}$ and his book would be thus distinguished from all other books under the same head.

As the subject of author and other numbers is discussed in full later on, it is not necessary to allude further to it here. *See also* at X945.

29. Notation—the Numbering of Books.—In most libraries which use exact classification, it is customary to apply numbers to books so as to indicate their class, authorship, and sometimes title, edition and copy. Numerous plans for effecting this numbering so as to differentiate one book from another have been devised, and the principal schemes are here briefly outlined.

30. Author Numbers and Symbols.—Perhaps the most sensible and straightforward way to distinguish books from each other is to rely entirely upon the class number or symbol, plus the lettering on the books themselves. For whatever purpose required it seems much simpler to arrange books on shelves, in charging systems, in catalogues, or anywhere else, in a plain and easy sequence of author's names in alphabetical order, under each division or subdivision of a class or subject, thus :—

F000.3 Zoology : Systematic Text-books.

Claus (C.) Elementary text-book on zoology
Edwards (H. M.) Manual of zoology
Hertwig (R.) General principles of zoology
Parker (T. J.) and W. A. Haswell. Text-book of zoology
Nicholson (H. A.) Manual of zoology
Sedgwick (A.) Student's text-book of zoology

Practically speaking, it is just as easy for anyone to find F000.3 Edwards, as to find $\frac{\text{F000.3}}{4077}$, F000.3E31 or any other symbol, and as regards library records, where cards, books, or other registers bear full particulars, it seems a refinement of elaboration to *add* to a book's own description of itself.

31. Failing acceptance of this obvious and commonsense method, the **second** in ease of application is probably the use of the accession numbers, which most libraries apply to books in addition to any class or other number. These accession numbers are generally arranged in a progressive series, so that no two books can possibly be numbered alike. When such numbers are used they can be applied in two ways :—

F000.3 Zoology : Systematic Text-books.

5964 Claus (C.) Elementary text-book of zoology
13764 Hertwig (R.) General principles of zoology

or in dictionary catalogues—

Zoology, Systematic Text-books.

F5964 Claus (C.) Elementary text-book of zoology
F13764 Hertwig (R.) General principles of zoology

The charging number would thus become, in the case of Claus, $\frac{\text{F000.3}}{5964}$ or simply F5964.

32. A **third** method is that already mentioned in Section 26 of this

Introduction, being the addition of the Biographical numbers (X300–975) to the class numbers, thus :—

F000.3 Zoology : Systematic Text-books.

$\frac{\text{F000.3}}{3630}$ Claus (C.) Elementary text-book

$\frac{\text{F000.3}}{4866}$ Hertwig (R.) General principles

$\frac{\text{F000.3}}{6670}$ Nicholson (H. A.) Manual

33. A **fourth** plan is to use the symbols devised by the late Mr. C. A. Cutter, which have been published in tabular form, and are entitled the "Cutter Author Marks." In this table all the most ordinary names, to the number of over 12,000 are numbered letter by letter like the following examples :—

Abbott—Ab2	Doyle—D77
Acland—Ac6	Gibson—G36
Alexander—A37	Hamerton—H19
Augsburg—Ag2	Tomkins—T59
Beard—B34	Warren—W24

Of course, as this table is selective, there are thousands of alphabetical combinations which it can only roughly hint at ; but it serves a useful purpose in approximately placing authors' names. As the Biographical Table (X300, etc.), forming part of this Classification, gives nearly half a million places for combinations of two numbers (six figures) only, it will be realised that the Cutter marks are necessarily restricted. In practical application the Cutter marks are used as follows :—

F000.3A37 F000.3T59 F000.3W24, etc.

34. A **fifth** method, restricted to 100 places, has been devised by Mr. Merrill, of the Newberry Library, Chicago, and as it may be found useful for subdivisions in small libraries, it is here given in full with the author's kind permission :—

MERRILL ALPHABETING NUMBERS.

01	A	16	Chan	31	Forr	46	K
02	Agre	17	Ci	32	G	47	L
03	Als	18	Clo	33	Gay	48	Lang
04	Ap	19	Cond	34	Gill	49	Law
05	Ash	20	Crom	35	Goe	50	Leo
06	B	21	D	36	Got	51	Lit
07	Ban	22	Day	37	Greeno	52	Long
08	Bax	23	Dicke	38	H	53	M
09	Beno	24	Doy	39	Hat	54	McL
10	Bix	25	E	40	Hesi	55	Marc
11	Bou	26	Elg	41	Hiu	56	Mau
12	Brim	27	Erm	42	Hov	57	Merr
13	Bum	28	F	43	I	58	Min
14	C	29	Fel	44	Ini	59	Moo
15	Carr	30	Fit	45	J	60	Mu

Merrill Alphabeting Numbers—*continued.*

61	N	71	Pow	81	Sevi	91	Ull
62	Nev	72	Q	82	Simons	92	Upt
63	Nol	73	R	83	Soo	93	V
64	O	74	Rey	84	Steb	94	Ven
65	P	75	Robi	85	Stratt	95	W
66	Parkm	76	Row	86	T	96	Wats
67	Pek	77	S	87	Thau	97	Wha
68	Pfi	78	Sanch	88	To	98	Wit
69	Pif	79	Schar	89	Trum	99	X—Z
70	Po	80	Schwar	90	U		

These numbers would be used thus :—

$\frac{\text{F000.3}}{25}$ Edwards (H. M.) Manual of Zoology

35. A **sixth** method consists in the use of the first three letters of the author's name, added to the class number, and in most cases this is a sufficient mark for all ordinary purposes, though it is sometimes necessary to extend the number of letters used. In actual practice it appears thus :—

F000.3 Cla. Claus (C.)
F000.3 Edw. Edwards
F000.3 Par. Parker

Two methods of applying these letters are described in the *Library World*, Vol. 3, 1900–1, by Messrs. Jast and Anderson respectively.

36. Title or Book Numbers.—It is not often, save in Fiction, Poetry and other very large alphabetical classes, that titles require to be distinguished but even for this various methods have been devised. A plan sometimes adopted is to use the ordinary alphabetical name tables, Cutter, etc., and mark the first word of a title ; in other cases the separate works are simply numbered 1, 2, 3, etc., in any order. Thus if a library has a set of Mrs. Oliphant's novels, one gets the following collection of first words :—

Plain No.	Composite No.			Cutter Mark.	Brown Mark.
1	3O16	Oliphant,	Madam	M23	633
2	3O19	—	Madonna	M23	633
3	3O2	—	Maelstrom	M24	633
4	3O31	—	Magdalen	M24	6330
5	3O6	—	Margaret	M38	6335
6	3O10	—	Marion	M38	6335
7	3O17	—	Marriage	M41	6335
8	3O18	—	Mary	M43	6335
9	3O32	—	Massacre	M45	6336

The translation of the "Composite Number" above is that Oliphant is the third author in letter O, and the numbers following indicate the works in order of accession. It is a method of distinguishing authors and books, and requires special records of authors' names and their works, otherwise numbers may easily be repeated. Neither of the numerical systems are of use save for the libraries in which they are employed, because the numbers mean nothing, and are mere arbitrary symbols which are not generally standardised. The Cutter and Brown marks are taken from

standard tables, and have, therefore, universal application. But both are clumsy, and, as has already been stated, not absolutely necessary.

37. Copy Numbers.—Sometimes a number of copies of the same work are kept, and when this is so, they may be distinguished by having a number coming after a characteristic mark, as $\frac{6754}{3665-1}$ $\frac{6754}{3665-2}$. In numerical arrangements there is no need for any such marking.

38. Chronological Arrangement.—In many scientific libraries it is deemed advisable to adopt a chronological arrangement on the shelves and even in catalogues, in order to assemble the latest works on a subject at one place. There is a certain amount of convenience in this, and several plans have been devised for marking books so as to indicate what order is intended. The simplest scheme, that of Mr. W. S. Biscoe,* is liable to be mistaken for Cutter author marks, as the symbols are identical, but where Cutter's tables are not used, they will be found clear enough.

39. Biscoe Date Table.—

A—Before Christ	J—1830 to 1839
B—0 to 999	K—1840 to 1849
C—1000 to 1499	L—1850 to 1859
D—1500 to 1599	M—1860 to 1869
E—1600 to 1699	N—1870 to 1879
F—1700 to 1799	O—1880 to 1889
G—1800 to 1809	P—1890 to 1899
H—1810 to 1819	Q—1900 to 1909
I—1820 10 1829	R—1910 to 1919

Undated books are marked with the letter of the supposed date—M indicating a book published any time between 1860 and 1869. All other books are numbered with the letter and the year number, ignoring centuries, as in this example in the Dewey Notation :—

580.2Q05 Balfour. Manual of Botany. 1905
614.132P99 Return on Infant Mortality. 1899

40. Extended Date Table.—To avoid the use of both letters and figures in expressing dates, and also to shorten the symbols, the following table, dealing with the period from the invention of printing, has been prepared. For marking MSS. or for any other purposes, a similar table can be constructed and distinguished from this one by the use of capital letters. These symbols can be used for closely distinguishing events in the regnal years of monarchs.

A.D.		A.D.		A.D.		A.D.	
1450	aa	1456	ag	1462	am	1468	as
1451	ab	1457	ah	1463	an	1469	at
1452	ac	1458	ai	1464	ao	1470	au
1453	ad	1459	aj	1465	ap	1471	av
1454	ae	1460	ak	1466	aq	1472	aw
1455	af	1461	al	1467	ar	1473	ax

* *Library Journal*, 1885. Brown's *Manual of Classification*, p. 96.

A.D.		A.D.		A.D.		A.D.	
1474	ay	1523	cv	1572	es	1621	gp
1475	az	1524	cw	1573	et	1622	gq
1476	ba	1525	cx	1574	eu	1623	gr
1477	bb	1526	cy	1575	ev	1624	gs
1478	bc	1527	cz	1576	ew	1625	gt
1479	bd	1528	da	1577	ex	1626	gu
1480	be	1529	db	1578	ey	1627	gv
1481	bf	1530	dc	1579	ez	1628	gw
1482	bg	1531	dd	1580	fa	1629	gx
1483	bh	1532	de	1581	fb	1630	gy
1484	bi	1533	df	1582	fc	1631	gz
1485	bj	1534	dg	1583	fd	1632	ha
1486	bk	1535	dh	1584	fe	1633	hb
1487	bl	1536	di	1585	ff	1634	hc
1488	bm	1537	dj	1586	fg	1635	hd
1489	bn	1538	dk	1587	fh	1636	he
1490	bo	1539	dl	1588	fi	1637	hf
1491	bp	1540	dm	1589	fj	1638	hg
1492	bq	1541	dn	1590	fk	1639	hh
1493	br	1542	do	1591	fl	1640	hi
1494	bs	1543	dp	1592	fm	1641	hj
1495	bt	1544	dq	1593	fn	1642	hk
1496	bu	1545	dr	1594	fo	1643	hl
1497	bv	1546	ds	1595	fp	1644	hm
1498	bw	1547	dt	1596	fq	1645	hn
1499	bx	1548	du	1597	fr	1646	ho
1500	by	1549	dv	1598	fs	1647	hp
1501	bz	1550	dw	1599	ft	1648	hq
1502	ca	1551	dx	1600	fu	1649	hr
1503	cb	1552	dy	1601	fv	1650	hs
1504	cc	1553	dz	1602	fw	1651	ht
1505	cd	1554	ea	1603	fx	1652	hu
1506	ce	1555	eb	1604	fy	1653	hv
1507	cf	1556	ec	1605	fz	1654	hw
1508	cg	1557	ed	1606	ga	1655	hx
1509	ch	1558	ee	1607	gb	1656	hy
1510	ci	1559	ef	1608	gc	1657	hz
1511	cj	1560	eg	1609	gd	1658	ia
1512	ck	1561	eh	1610	ge	1659	ib
1513	cl	1562	ei	1611	gf	1660	ic
1514	cm	1563	ej	1612	gg	1661	id
1515	cn	1564	ek	1613	gh	1662	ie
1516	co	1565	el	1614	gi	1663	if
1517	cp	1566	em	1615	gj	1664	ig
1518	cq	1567	en	1616	gk	1665	ih
1519	cr	1568	eo	1617	gl	1666	ii
1520	cs	1569	ep	1618	gm	1667	ij
1521	ct	1570	eq	1619	gn	1668	ik
1522	cu	1571	er	1620	go	1669	il

A.D.		A.D.		A.D.		A.D.	
1670	im	1719	kj	1768	mg	1817	od
1671	in	1720	kk	1769	mh	1818	oe
1672	io	1721	kl	1770	mi	1819	of
1673	ip	1722	km	1771	mj	1820	og
1674	iq	1723	kn	1772	mk	1821	oh
1675	ir	1724	ko	1773	ml	1822	oi
1676	is	1725	kp	1774	mm	1823	oj
1677	it	1726	kq	1775	mn	1824	ok
1678	iu	1727	kr	1776	mo	1825	ol
1679	iv	1728	ks	1777	mp	1826	om
1680	iw	1729	kt	1778	mq	1827	on
1681	ix	1730	ku	1779	mr	1828	oo
1682	iy	1731	kv	1780	ms	1829	op
1683	iz	1732	kw	1781	mt	1830	oq
1684	ja	1733	kx	1782	mu	1831	or
1685	jb	1734	ky	1783	mv	1832	os
1686	jc	1735	kz	1784	mw	1833	ot
1687	jd	1736	la	1785	mx	1834	ou
1688	je	1737	lb	1786	my	1835	ov
1689	jf	1738	lc	1787	mz	1836	ow
1690	jg	1739	ld	1788	na	1837	ox
1691	jh	1740	le	1789	nb	1838	oy
1692	ji	1741	lf	1790	nc	1839	oz
1693	jj	1742	lg	1791	nd	1840	pa
1694	jk	1743	lh	1792	ne	1841	pb
1695	jl	1744	li	1793	nf	1842	pc
1696	jm	1745	lj	1794	ng	1843	pd
1697	jn	1746	lk	1795	nh	1844	pe
1698	jo	1747	ll	1796	ni	1845	pf
1699	jp	1748	lm	1797	nj	1846	pg
1700	jq	1749	ln	1798	nk	1847	ph
1701	jr	1750	lo	1799	nl	1848	pi
1702	js	1751	lp	1800	nm	1849	pj
1703	jt	1752	lq	1801	nn	1850	pk
1704	ju	1753	lr	1802	no	1851	pl
1705	jv	1754	ls	1803	np	1852	pm
1706	jw	1755	lt	1804	nq	1853	pn
1707	jx	1756	lu	1805	nr	1854	po
1708	jy	1757	lv	1806	ns	1855	pp
1709	jz	1758	lw	1807	nt	1856	pq
1710	ka	1759	lx	1808	nu	1857	pr
1711	kb	1760	ly	1809	nv	1858	ps
1712	kc	1761	lz	1810	nw	1859	pt
1713	kd	1762	ma	1811	nx	1860	pu
1714	ke	1763	mb	1812	ny	1861	pv
1715	kf	1764	mc	1813	nz	1862	pw
1716	kg	1765	md	1814	oa	1863	px
1717	kh	1766	me	1815	ob	1864	py
1718	ki	1767	mf	1816	oc	1865	pz

A.D.		A.D.		A.D.		A.D.	
1866	qa	1880	qo	1894	rc	1908	rq
1867	qb	1881	qp	1895	rd	1909	rr
1868	qc	1882	qq	1896	re	1910	rs
1869	qd	1883	qr	1897	rf	1911	rt
1870	qe	1884	qs	1898	rg	1912	ru
1871	qf	1885	qt	1899	rh	1913	rv
1872	qg	1886	qu	1900	ri	1914	rw
1873	qh	1887	qv	1901	rj	1915	rx
1874	qi	1888	qw	1902	rk	1916	ry
1875	qj	1889	qx	1903	rl	1917	rz
1876	qk	1890	qy	1904	rm	1918	sa
1877	ql	1891	qz	1905	rn	1919	sb
1878	qm	1892	ra	1906	ro	1920	sc
1879	qn	1893	rb	1907	rp		

By using this table the marks would appear thus :—

E100.3rn Balfour. Manual of Botany. 1905

and would not conflict with the symbols of this or any other system. A one-letter table can be devised by using varieties of type, as with the hall-marking of gold and silver plate, but of course, it would be unsuitable for manuscript purposes.

41. Other Marks and Indications. Juvenile Books.—When thought necessary to indicate in a mixed alphabetical catalogue, or for any other purposes, when a book is suitable for children, a "j,"= juvenile or "c,"= children, can be placed in front of the class letter, thus —

jE100.4 or cE100.4

and if further thought necessary to distinguish books specially suitable for girls or boys, "g,"= girls, or "b,"= boys, can be substituted, reserving the "j" or "c" for works of general interest. But in these days of separate catalogues and libraries, this is a refinement which seems hardly necessary.

42. Controversial Subjects.—In some libraries, and in catalogues of various kinds, it may be necessary to indicate the books written for and against a particular view or subject. The *pros* and *cons* of Vegetarianism, Slavery, Roman Catholicism, Temperance, and hundreds of other subjects may require indication in large libraries, and a simple way of doing so, if the books cannot be actually separated on shelves or in catalogues, is to mark the Class number with a sign which shall clearly distinguish the standpoint. An asterisk, for example, could indicate the pro, or favourable view, and a double asterisk the anti or unfavourable view, thus :—

**I714 Johnston. Is smoking injurious ?
*I714 Russell. The smoking habit

or by using the letters "f,"= for and "a,"= against—

aI714 Johnston. Is smoking injurious ?
fI714 Russell. The smoking habit

In cases where catalogues are properly annotated, no marking will be necessary.

43. Book Sizes.—The question of indicating book sizes is one for cataloguing chiefly, and does not enter into classification save as regards

the physical placing of books. It does not affect the class or subject numbers, and it is now the general practice to make size notation a part of the catalogue entry. In libraries strictly classified it is best to separate the folio and quarto books from the octavoes, and to store them in specially made cases. Dummies or blanks can be inserted in the spaces which should be occupied by folios and quartos, bearing a reference to the place where they can be found.* In the catalogue the entry will show if a book is f° or 4°, or F or Q, by printing these symbols as part of the entry.

44. The Index.—The Index registers every subject word which occurs in the Classification Tables and many synonyms. It also directs to some unnumbered subjects, such as historical events in the reigns of different monarchs, and other matters which are included in divisional or main headings. It has not been thought necessary to repeat under national heads the various sciences, arts and historical categories which could be assembled there, nor at subject-words has it been deemed proper to show the national divisions of such topics. Biographical names are also omitted, and also all references to unnumbered geographical or historical areas. **The Index number is the one to be applied in the first instance, when a subject is definitely ascertained, and the subdivisions must be taken from the Categorical Tables.** From this rule there can be no departure by strict users of the classification. On the other hand, the specialist or standpoint classifier who prefers to assemble all his material at a particular place, can do so by using the abstract place, and qualifying it by means of the Categorical Table or numbers from the Classification itself. Thus, a bibliographer can use the mark M760 and then proceed to subdivide it thus :—

M760.0	Bibliography,	General
M760.1	—	of Bibliography
M760.2	—	of Encyclopædias
M760.10	—	History
M760.40	—	Maps
M760.92	—	Arithmetic
M760.570	—	Mountaineering
M760.963	—	Proverbs

etc., etc.

When he has exhausted these tables he can proceed to the National, Linguistic or Biographical Tables, as follows :—

M760T311	Bibliography	of Brussels
M760M590	—	Gipsy Language
M760X3132	—	Hans Christian Andersen

45. Aids to Classification.—It is absolutely necessary in applying this Scheme of Classification, either on a large or small scale, to make use of good reference books. It is difficult, sometimes, to say where a place is, what a name means, when an event occurred, or who a person was, and for that reason the following books should always be accessible.

1. A good Atlas, with a full reference index.
2. A good modern Gazetteer, general.

* See Brown's *Manual of Library Economy*, p. 152-3.

3. A good modern National Gazetteer (for the country in which the Library is).
4. Haydn's Dictionary of Dates, last edition.
5. Blair's or other full Chronological Tables.
6. Beatson's Book of Dignities (Haydn).
7. A good Biographical Dictionary.
8. A Dictionary of Scientific Terms.
9. Dictionaries of most languages.
10. Smith's Century Cyclopædia of Names. (Useful for Vernacular forms).
11. Willis' Flowering Plants and Ferns.

APPENDICES.

46. Table for arranging an Author's Works.

Single works in chronological order of publication :—

a Originals, including Manuscripts
b Reprints
c Translations in Foreign Languages
d Parodies
e Criticism, etc.

Each work to have all these divisions assembled with it in the order indicated.

Collected works in chronological order :—

f Author's editions.
g Editor's editions.
h Selections.
i Paraphrases and Condensed Versions.
j Dramatic Version of Works.
k Musical Settings of Works.
l The Pictorial side (*Illustrations inspired by Works*).
m Biography.
n Correspondence and Autographs (excluding MS. of works).
o Criticism and Ana, general.
p Portraits, Busts, Monuments.
q Periodicals connected with the Author.
r Societies connected with the Author.
s Exhibitions, Festivals, etc.
t Concordances, Aids and Guides.
u Bibliography.

In applying this table to a special author, the letters can be added to the biographical numbers, and the books collected at A003 Collected Works of individual authors. The effect would be as follows :—

A003/3462a Burns (R.) Poems chiefly in the Scottish dialect. 1786

A003/3462k — The Jolly Beggars. Cantata, by Sir H. R. Bishop

A003/3462u — Bibliography, by J. Gibson.

47. Table for arranging the works of a particular Author, suggested by Mr. Robert K. Dent, Borough Librarian, Aston Manor.

SHAKESPEAREANA:

RATIONAL SCHEME OF CLASSIFICATION.

The Man.

1. General Biographies.
   - Brief Biographies in books.
   - Original documents, contemporary or 17th century biographical references (e.g. Dowdall's "Traditionary Anecdotes," etc.)
   - Allusion-books, to 1700.
2. Personalia Parentage and genealogy.
   - Shakespeare's earlier Stratford life.
   - Was he a deerstealer?
   - Was he a schoolmaster?
   - Was he a butcher?
   - Other conjectures as to early training.
   - Legends as to his early life: the crab-tree, etc.
   - Courtship and marriage.
3. Shakespeare in London.
   - His personal connection with the stage.
   - His London home.
   - Did he travel abroad?
4. Shakespeare's later Stratford life.
   - His business enterprises.
   - His family.
   - His death.
   - His will.
5. Portraits and monuments: and works relating to the portraits.
6. Shakespeare's home.
   - Stratford-on-Avon generally.
   - The Birthplace.
   - Anne Hathaway's home.
   - New Place.
   - The church and the grave.
   - Shakespeare land.
7. Shakespearean jubilees and other celebrations.

His Works.

1. Original issues. (Separate plays and poems).

1a. Collected editions. (All before 1700).

2a. Separate plays (where specially edited or published complete. Not acted editions or adaptations).

2b. Editions of the Works, after 1700.

3. Anthologies, Concordances, and Indexes.
4. Sources, and other books used or adapted by Shakespeare.
5. General literary criticism.
   - Criticism of separate plays in detail.
6. Criticisms and Theories of the Sonnets.
7. Archæological illustrations of his writings.

8. Evidences in his writings of
   - Bible knowledge.
   - Legal knowledge.
   - Sea Terms.
   - Country life, etc., etc.
9. Variora and conjectural emendations.
10. Forgeries.
11. Bacon theory.

The Stage.

1. Acting editions, alterations, and adaptations of Shakespeare's plays.
2. Special works on the contemporary stage.
3. Lives of players: (a) Contemporaries; (b) Later players.
4. History of the stage.
5. Archæology and costumes.

Graphic Illustrations of Shakespeare.

1. Topographical Prints and Drawings.
2. Archæological illustrations (pictorial) of his writings.
3. Imaginative illustrations; portraits of his heroines, etc.

Shakespearean Music:

1. Traditional or early music (before 1700).
2. Operas, cantatas, incidental music, and modern settings of the Songs.

48. Table for arranging a County or other Area.—This table shows how a large number of items can be arranged in a local collection, and how provision should be made for towns and districts not provided for in the main tables. In order to obtain full representation of every area, it is necessary to turn up the county or department or whatever it may be and make out a complete list of parishes, independent towns or other administrative areas, and on that basis number the whole series. Of course, this is only necessary in the case of large collections of books and prints, and will not be necessary in one out of a hundred libraries, save as regards the collection relating to the town or district in which the library is placed. Two methods are shown of marking subjects, and where the numbers are taken from the Classification Tables, the arrangement may be assumed to have general application, but in the case of the table using the letter Y, the arrangement is intended for a large purely local collection. The area chosen is that of Edinburghshire, and it is clearly shown how the Categorical Table meets all ordinary needs. It is assumed, for the purpose of the Y arrangement, that everything is collected at Edinburghshire. In the other arrangement only the purely local matter, as defined at No. 14 of the Introduction, is included.

Table Nos.	Special Nos.		
V330	Y00	Edinburghshire,	General
V330.1	Y00.1	—	Bibliography
V330.6	Y00.6	—	Societies
V330.10	Y00.10	—	History
V330.40	Y00.40	—	Maps
—	Y00.41	—	Biography
—	Y00.43	—	Heraldry

Table Nos.	Special Nos.	
V330.52	Y00.52	Edinburghshire, Directories
V330.101	Y00.101	— Statistics
—	Y00.170	— Roads
—	Y00.203	— Lighthouses
—	Y00.317	— Geology
V331	Y01	Edinburgh City, General
V331.10	Y01.10	— History
V331.225	Y01.225	— Castles
V331.713	Y01.713	— Churches
V332	Y02	Leith
V333	Y03	Musselburgh (and Inveresk Parish)
V334	Y04	Dalkeith (Town and Parish)
V335	Y05	Pentland Hills
V33501	Y06	West Calder Parish, General
V33501.10	Y06.10	— — History
—	Y06.441	— — Flora
V33502	Y07	Mid Calder Parish
V33503	Y08	Kirknewton —
V33504	Y09	Currie —
V33504.225	Y09.225	— History of Curriehill Castle
V33505	Y10	Ratho Parish
V33506	Y11	Corstorphine —
V33507	Y12	Cramond —
V33508	Y13	Duddingston Parish
V33509	Y14	Liberton —
V33510	Y15	Colinton —
V33511	Y16	Glencorse —
V33512	Y17	Penicuik —
V33513	Y18	Lasswade — General
V33513.225	Y18.225	— Guide to Roslin Castle
V33513.713	Y18.713	— Guide to Roslin Chapel
V33513.284	Y18.284	— Guide to Hawthornden
And so on.		
V336	Haddingtonshire	

In cases where the number of areas exceeds 100, it will be necessary to use a three instead of a two figure addition—W241000, etc., Y000, Y001, etc. Some may prefer to use an alphabetical order of place names instead of a geographical one, in which case Edinburghshire would arrange thus, Dalkeith coming out of its order :—

V330	Edinburghshire		Dalkeith. See V334
V3300	Borthwick	V3309	Duddingston
V3301	Carrington	V331	Edinburgh City
V3302	Cockpen	V3310	Fala and Soutra
V3303	Colinton	V3311	Glencorse
V3304	Corstorphine	—	Heriot
V3305	Cramond	—	Inveresk. See Musselburgh
V3306	Cranston	V3312	Kirkliston. *See* Haddingtonshire
V3307	Crichton		
V3308	Currie	V3313	Kirknewton

V3314	Lasswade	V334	Dalkeith
V332	Leith	V3340	Newbattle
V3320	Liberton	V3341	Newton
V3321	Mid Calder	V3342	Penicuik
V333	Musselburgh	V335	Pentland Hills

In a great number of cases, particularly in the county divisions of the United Kingdom, the adoption of alphabetical order would lead to the shortening of symbols, but, of course, adjoining parishes would be separated.

49. Classification of Library Economy, Administration, and Office Papers, by L. S. Jast, Croydon Public Libraries.

The following scheme is an attempt to apply classification not only to the literature of Library Economy, but also to the various written records and papers bearing upon the administration of libraries, and processes of work. The scheme under Library Economy in the Expansive classification is stated to be applicable to administrative papers, as well as to the printed literature of the subject, but it is essentially for the latter purpose and only incidentally useful for the former ; it is also nothing like detailed enough to be of much service in administration. Mr. Madeley, librarian of the Warrington Public Library, in the *Library Association Record*, v. 6, pp. 367–387, presents a classification for office papers only. The present scheme differs from Mr. Madeley's in that while primarily a classification of office papers and library activities generally, it also covers the literature of Library Economy, and is far more detailed than any tables hitherto printed.

The object of the scheme is to provide a number for every kind of document, letter, record, process or group of processes in a public library, and to refer by a single reference to the place of storage of every kind of material. The arrangement and indexing of business papers is aimed at by all the various makers of different kinds of files now on the market, but even librarians, who have learned the value of the systematic arrangement of books, have, with few exceptions, not yet appreciated the fact that command over one's papers is not essentially a matter dependent upon any kind of filing system, but can only be obtained by means of a systematic and carefully designed subject-arrangement. The ensuing scheme will achieve its purpose with the most prehistoric filing system, but the easy consultation and manipulation of papers will be aided by a good method of filing. It may be laid down as a general principle that, for the most part, any system of filing which *binds* papers is not so good as one in which the papers are loose. The system which lends itself best to such a system of arrangement as that following is the Vertical system. Folders are marked with the number of the topic, and all loose papers are filed under their various numbers. Bound records, such as account books, stock books, etc., will, of course, be numbered on the back, and arranged on shelves.

Space will not permit a full description of the applications of the system to the practical work of the library, but a few brief notes are appended on the more important of these.

Use of other Class Numbers.—The note "subdivided like the main classification," as *e.g.*, 4296 Special reports to Committee, refers to this present Library Economy classification. But for the further division of any of these numbers to indicate form or geographical divisions, and in some cases subject, as *e.g.*, 19 Libraries on special subjects, the numbers of whatever classification is employed in the library may be used. In the case of the Subject classification these numbers are simply added to the Library Economy numbers, the fact that the Subject numbers begin with a letter serving to prevent any confusion between these numbers and possible subdivisions of the Library Economy classification. If, however, a pure number, such as the numbers of the Dewey Decimal system, is used, it should be put in brackets. Thus 0 being general works on Library Economy, 0 (02) will mark a manual of Library Economy, 02 being the Decimal form number for compends; so also 61222 being publishers' catalogues limited to a subject, 61222(59) will mark a catalogue of zoological works.

It will probably be best to use Cutter alphabetical numbers for geographical divisions, running country, district, or town in one alphabetical sequence. Thus :—

17	Municipal and free libraries
17C17	Cardiff
17C61	Cleveland (U.S.)
17C81	Cork
17C88	Croydon

Correspondence.—Correspondence should be treated like other material and arranged by subject. In the case of a public library most correspondence is far more valuable under subject than if arranged alphabetically or by date. For example, a library is running a course of lectures, all its correspondence dealing with that course will go in 244, and be kept together; all its quotations (other than books) will go in 514, its accepted quotations in 5145, and if wished, this material may be subdivided like the main classification, and all quotations for, let us say, shelving, 514381, will then arrange together; so again quotations for second-hand books will go in 6236, and here will gradually collect a mass of valuable memoranda, which in an ordinary way would not be worth keeping, merely because it would be lost in a mass of other material. Another advantage of the subject arrangement of letters is that a great deal of ephemeral material can be automatically weeded out, or destroyed at once, as it will usually be found that either the whole of the material coming under one number is worth keeping or not worth keeping, that is, as a group. In the latter case, a manilla sheet, bearing its appropriate number, should be inserted in its proper place in the file, with an instruction not to keep, as *e.g.*—

444 Staff. Examinations. Papers of candidates.

These are not to be kept.

A small library with comparatively little correspondence would not probably use the full scheme, but as familiarity with the scheme increases the tendency will probably be, even in this case, to divide pretty minutely, the advantages of close classification being very great. If an assistant is told off to do the classifying and filing, it will not be necessary for the

librarian to mark the class number on his letters ; he will probably find it easier to write the subject word in pencil as a guide to the classifier. The main objection to classifying correspondence is the liability of placing a letter where it cannot be found when it is wanted, but this is a danger to some extent, of even an alphabetical arrangement. It may be entirely obviated by having an alphabetical index of correspondents and entering the numbers under which each letter is filed under their names. This should be on cards or slips, and will serve as an address register, as well as an index to the correspondence. There is practically no more trouble in keeping this record than in indexing an ordinary letter book. Of course, it is presumed that copies of all replies are taken on loose sheets and filed with the original letters.

Receptacle Numbers.—Some numbers are intended not to mark material but *receptacles*. Thus a folder marked 4243 will contain letters, memoranda and other material to be submitted to the chairman. This material, therefore, only temporarily rests in 4243, on its way to be permanently filed in various other numbers. Similar receptacle numbers are 551–555, etc.

Forms and Supplies.—Forms and supplies are conveniently marked by the class number followed by a special letter mark for the form. In many cases special numbers are allotted to supplies ; where there is no special number the supply will take the number of the subject or process concerned. Thus 646 being the process of plating, book plates or board labels will be marked 646.

Some Examples of the Marking of Supplies.

6686 A Catalogue card, thin,
6686 Am Catalogue card, medium
6686 B Catalogue card, blue
6686 S Catalogue Card, salmon
6687 F Guide card, cut in fifths, blue
6687 Fb Guide card, cut in fifths, buff

Bulky supplies may be labelled with a luggage label, and arranged in flat boxes or drawers.

Separating Current from Old Material.—This is best done by inserting a manilla sheet in the folder and filing current or " to be dealt with " papers in front of it

Departments.—When it is necessary to classify for a department separately, *e.g.*, School libraries, use a letter to indicate department in front or behind the class numbers. Usually the letter will come most conveniently in front, *e.g.*, Sch65 School libraries stock ; but in cases where a parallel classification is not wanted, the letter should succeed, *e.g.*, 651R Reference stock book.

Pointing the Numbers.—As all the numbers are decimal, they need not be pointed, but to enable the sequence to be readily grasped it is suggested that in writing the numbers a point should be inserted after every third figure, thus, 585.532.32 Catalogues of drawing inks, is easier to read than 58553232.

MAIN DIVISIONS.

0 General.
01 Librarian. Personal.
1 Legislation. Founding. Classes of libraries.
2 Extension work.
3 Building.
4 Government and service.
5 Executive.
6 Accession. Description. Conservation.
7 Departments.
8 Publications.
9 Other.

MAIN SUBDIVISIONS.

1 **Legislation. Founding. Classes of libraries**
11 Ideas of libraries. Arguments for and against
12 Legislation
13 State aid
14 Founding. Adoption of Library Acts. Securing funds, etc.
15 Ancient and mediæval libraries
16 National and State libraries
17 Municipal and free libraries
18 Other general libraries
19 Libraries on special subjects
2 **Extension Work**
21 Library and education
22 Local societies, institutions, clubs
23 Local factories, offices, etc.
24 Lectures
25 Readings
26 Exhibitions
27 Work with children
28 Circulars
29 Other extension work
3 **Building**
31 Premises. Rented or bought
32 Location. Sites
33 Materials. Construction
34 Plan
35 Rooms
36 Lighting
37 Heating. Ventilation
38 Fittings. Furniture
39 Care of building
4 **Government and Service**
41 Council
42–3 Committee
44–5 Staff
46 Rules and regulations for readers
47
48 Relations with other Corporation committees
49 Relations with other Corporation departments
5 **Executive**
51–2 Finance
53 Stationery, supplies
54
55 Communication, correspondence.
56–8 Office
59
6 **Accession. Description. Conservation**
61 Selection
62 Purchase
63 Donations
64 Book processes
65 Stock
66 Cataloguing
67 Classification
68 The Shelf
689 Filing
69 Binding
7 **Departments**
71 Lending library. Loan
72 Reference library
73 News and magazine rooms
74 Library system. Branches

75 Children's libraries and reading rooms
76 School libraries
77 Other library departments
78 Museum
79 Art Gallery
8 **Publications**
81 Catalogues
82 Author
83 Dictionary
84 Classified. Subject lists
85 Indicator keys. Shelf keys
86 Rules. Handbooks
87 Reports
88 Library magazines
89 Other publications
9 **Other**
91 Library Associations
92 Library periodicals
93 Societies and institutions
94 Co-operative work

COMPLETE TABLES.

0 **GENERAL**
01 **THE LIBRARIAN. PERSONAL**
02 Librarian's position
(Such matters as application for an increase of salary, another post, etc., go here, as well as testimonials, references in the press, etc.)
03 Lectures. Speeches. Literary Work
04 Societies. Work on committees.
05 Correspondence. Mail
06 Public and social functions. Club
07 Accounts
08 Matters requiring attention
09 Other
1 **LEGISLATION. FOUNDING. CLASSES OF LIBRARIES**
(Catalogues, handbooks, reports and other publications of particular libraries are better in 8 than here)
11 **Ideas of libraries. Arguments for and against**
12 **Legislation**
1205 Limitation of rate
1207 Combination of library authorities
13 **State aid**
14 **Founding. Adoption of Library Acts. Securing funds, bequests, etc.**
15 **Ancient and mediæval libraries**
16 **National and State libraries**
17 **Municipal and free libraries**
18 **Other general libraries**
181 Subscription. Commercial
182 Societies, institutions, clubs
184 Education
(School libraries as a part of the library organization are 76)
1841 University and college
1842 Secondary schools
(not technical, which are 1844)
1843 Elementary schools
1844 Technical
1848 Sunday school
187 Parish. Village
188 For special classes
19 **Libraries on special subjects**
(Divided by subject)
2 **EXTENSION WORK**
21 **Library and education**
(School libraries are 184 and 76. This covers the general question)
211 Relations with elementary education
213 Relations with secondary education
214 Technical education
216 University extension
217 National Home Reading Union
219 Conferences
(Between the library authority and educational organisations)

22 **Local societies, institutions, clubs**
(The subdivisions 221–229 are for special local use)
2201 Syllabuses. Programmes of meetings
(When it is desired to keep these together)
221
222
223
224
225
226
227
228
229
23 **Local factories, offices, etc.**
Subdivisions for use under any of above heads. Note that these figures must be preceded by a cypher when used with 22, *e.g.*, 2206 Visits of Local Societies to Library; 226 marks a particular society:—
2 Library talks or lessons at the school, society, etc.
3 Home work, involving work in library or with library books
6 Visits of classes, societies, etc., to library
8 Library notice boards, placard catalogues, etc., at the school, lecture room, etc.
24 **Lectures**
244 Syllabus
246 Register of lecturers
247 Register of subjects
25 **Readings** (Divided like 24)
26 **Exhibitions**
27 **Work with children**
(The general subject and the special heads below. School Libraries are 76; visits of school children to Library are 2116)
274 Lectures
275 Readings
(274–5 are subdivided like 24)
276 Exhibitions
277 Story-telling
28 **Circulars**
(Divided like the main classification, *e.g.*, Circular *re* inter-library loans 287132)
29 **Other extension work**
292 Relations with the Press
3 **BUILDING**
(Mark views of library buildings 3, with geographic number. General descriptions of buildings may go here or in 15–19)
305 Leases. Agreements
31 **Premises. Rented or bought**
32 **Location. Sites**
33 **Materials. Construction**
331 Materials
333 Walls. Columns. Arches
334 Roofs
335 Floors. Floor coverings. Floor preparations
336 Doors. Windows. Screens
337 Staircases. Galleries
339 Decoration. Statuary and busts. Pictures
34 **Plan.**
(Mark plans of libraries 34, with geographic number)
341 Draft plans. Librarian's plan
342 Competition. Rules, instructions
343 Plans sent in
344 Premiated designs
345 Assessor
346 Accepted plans
347 Architect
3475 Builder
348 Contracts. Specifications. Quantities

3483 Tenders
3485 Accepted
3487 Clerk of works
35 **Rooms**
351 Public rooms
3511 Lobbies. Stairways. Lifts
3512 Lending library
3513 Reference library
3514 Special libraries
3515 News and magazine rooms. Ladies' rooms
3516 Children's rooms
3517 Lecture room. Study rooms
3518 Lavatories. Cloak rooms
3519 Other public rooms
352 Administration rooms
3521 Librarian's room
3522 Committee room
3523 Order room
3524 Cataloguing room
3525 Book processes room. General work room
3526 Binding and printing rooms
3527 Packing rooms
3528 Staff rooms
3529 Other administration rooms
35293 Delivery stations and travelling libraries
35295 Photographic dark room
353 Storage rooms
3531 Stack rooms (For the stacks themselves, see 381)
3532 Valuable books. Strong room
3533 Newspaper room
3536 Supplies store
3537 Janitor's store
355 Living rooms
3551 Librarian's rooms. House
3557 Janitor's rooms
358 Museum
359 Art Gallery
36 **Lighting**
361 Natural lighting
3613 Top lighting
3615 Improvement of natural lighting. Reflectors, prisms
362 Artificial lighting
363 Diffused and general lighting
364 Point lighting. Lighting of desks, tables, etc.
365 Gas
3655 Incandescent gas
366 Electric light
367 Arc
368 Incandescent
369 Other methods of lighting
37 **Heating. Ventilation**
371 Boiler house
372 Heating supplies. Coal, etc.
373 Systems of heating
374 Fireplaces
375 Hot water
376 Steam
377 Gas
378 Other systems
379 Ventilation
38 **Fittings. Furniture**
381 Shelving
38108 Wood
38109 Metal
3811 Wall shelving. Alcoves
38111 Wood
38115 Metal
3812 Cases
38121 Wood
38125 Metal
38129 Revolving
3813 Close stacking. Rolling stacks
3814 Shelving for large folios. Flat storage
3815 Book holders. Table cases
3816 Bookcase doors, curtains
3817 Adjustable devices
3818 Book trucks, trays, carriers, lifts
3819 Other shelving accessories (*e.g.*, book supports, steps, etc.)
382 Counters
3825 Open access counter

383 Chairs. Tables
384 Office furniture
3841 Desks
3842 Rolltop
3844 Drawers
3846 Cupboards
385 Lending and reference libraries
3852 Indicators
(Magazine indicators are 3864)
3854 Reading stands, easels
3857 Show cases
386 News and magazine rooms. Lecture room
3861 Newspaper stands, slopes
3862 Racks
3863 Directory stands
3864 Magazine indicators. Lists. Name tablets
3865 Lecture room
3866 Blackboard. Screens and other means for displaying diagrams
3867 Lecturer's reading stand, desk
3868 Lantern
3869 Accessories and supplies
387 Other special furniture
3871 Library vans. Carts
388 Miscellaneous items
(Arranged alphabetically)
38811 Brackets
38818 Clocks
38831 Frames
38863 Notice boards
38877 Safes
38884 Steps. Ladders
389 Original designs
(Divided like the main classification)

39 **Care of Building**
391 Protection from fire
392 Staff fire drill
394 Cleaning
395 Supplies
396 Repairs. Renovation
397 Tools
398 Patrol. Night watch

4 **GOVERNMENT AND SERVICE**
41 **Council**
42 **Committee. Trustees**
421 Election. Co-opted members
422 Powers
423 Standing orders
424 Chairman
4243 Matters to be submitted to Chairman
4245 Vice-chairman
425 Clerk
426 Minutes
427 Notices of meeting
428 Agenda. Notices of motion
4285 Attendances
429 Next meeting
4291 Reports. Returns
4292 Periodical (fortnightly, monthly or quarterly)
4294 Annual
4295 Next annual
4296 Special
(Subdivided like the main classification. It is best to keep two copies one here, and one with the subject. This is only for reports presented to the committee; reports obtained by the librarian for his own use are 577)
43 **Sub-Committees**
431 Finance
432 Officers
433 Books
434
435 Buildings. Sites
436 Branches. Divisional committees
437 Visiting
438 Other
439 Temporary
(The above may all be subdivided like 42 Committee)
44 **Staff**
4406 Staff insurance. Superannuation
441 Vacancies. Advertising. Applications

44111 Clerk
44112 Chief librarian
44113 Sub-librarian. Deputy librarian
44114 Branch librarians. Librarians-in-charge. Heads of departments
44115 Senior assistants
44116 Junior assistants
44117 Extra staff. Evening, Sunday, Holiday
44118 Janitors. Cleaners
44119 Other
441192 Typists
441195 Pages. Messengers
441197 Binders
441198 Engineers
442 Interim applications
443 Examinations
444 Papers of candidates
445 Selected candidates
446 Appointments
(442–6 are subdivided like 441)
447 Salaries
448 Staff rules
449 Hours. Time sheets
45 **Staff** (*contd.*)
451 Absences. Sick leave
452 Holidays
453 Duties
454 Special
455 Reports. Record of merit
456 Training. L. A. classes. Library schools
457 In the library
458 Staff meetings
459 Testimonials, *i.e.*, given by librarian or committee
46 Rules and regulations
461 General
(Definitions. Duties and powers of librarian)
462 Hours of opening and closing
463 Membership. Readers' qualifications
464 Home use of books
465 Reference use
(This includes news and magazine rooms)
466 Care of books. Bookmarks
467 Order in building
468 Special regulations
469 Actions at law. Prosecutions

48 **Relations with other Corporation Committees**

These numbers may be subdivided for sub-committees, if wished. Both committee and sub-commitee numbers may be further divided like 42, but the divisions of 42 must be preceded by a cypher when used with Committee numbers to prevent confusion with figures in fourth place indicating sub-committees, thus: —

488 Education committee
48806 Minutes
4886 A sub-committee of Education committee
48866 Minutes
482 Finance committee
483 General purposes committee
484 Sanitary committee
485 Watch committee
486 Parks committee
487 Tramways committee
488 Education committee
489

49 **Relations with other Corporation Departments**

(Letters conveying resolutions or written by instruction of a committee go in 48. General correspondence with officials goes here. Under the principal official goes all correspondence with his department)

491 Town Clerk
492 Accountant. Treasurer

493 Engineer
494 Medical officer. Inspector of Nuisances
(Communications *re* infected books go in 7139)
495 Chief constable. Police
496
497 Tramways manager
498 Clerk to education committee
499

5 **EXECUTIVE**
51 **Finance**
511 Estimates. Budget
512 Income. Cash receipts
5121 Rate
5122 Endowment
5123 Investments
5124 Grants
5125 Rent
5126 Donations
5127 Subscriptions
5128 Fines. Damages
5129 Other sources
51291 Borrowers' replacements
51292 Deposits
51293 Interest
51294 Sales
51295 Publications
(May be subdivided like 8, *e.g.*, Sale of Catalogues512951, of library magazine 512958)
51296 Books. Periodicals, etc.
(May be subdivided like 62, *e.g.*, sale of second-hand books 512963)
51297
51298 Waste paper
51299 Sales for other departments or institutions
513 Requisitions
5135 Approved
514 Quotations
(Both 514 and 513 may be subdivided like the main classification, *e.g.*, 51471811 Quotations for burghers' vouchers)
5145 Accepted
515 Order book
(Book, etc., orders are 621. This is *general* order book. Correspondence *re* orders takes this number, and may be arranged in sequence of order numbers.)
516 Bills unpaid
5161 Checked
5162 Allocated. Analysed
5163 Queried
5164 Entered in ledger
5165 Prepared for committee
5166 Approved for payment
5167 Cheque book
5169 Payment deferred
517 Expenditure. Bills paid
5171 Rent
5172 Printing and stationery
5173 Lighting. Heating. Cleaning
5174 Loan payments
5175 Publications
(May be subdivided like 8)
5176 Books. Periodicals, etc.
(May be subdivided like 62, *e.g.*, expenditure on lantern slides 51767)
5177 Binding
5178 Salaries. Wages
5179 Other Expenditure
51791 Furniture and fittings
51792 Deposits returned
51793 Rates
51794 Repairs
51795 Telephones
51796 Insurance
51797 Subscriptions
51798 Superannuation
51799 Establishment
518 Credit notes

52 **Finance** (contd.)
521 Ledger
522 Cash book
523 Petty cash book. Postage book
524 Loans
525 Bank. Paying in book
526 Bank book
527 Periodical financial statements
528 Audit
5285 Weekly or monthly
5286 Annual
529 Insurance
53 **Stationery, supplies**
531 Postal
5311 Letter paper. Official
5313 Post cards
5315 Envelopes
5317 Postal wrappers
532 Desk
(Arranged alphabetically)
53215 Adhesives. Gum, paste, etc.
5322 Elastic bands
53225 Erasers. Rubbers
5323 Ink
53232 Drawing inks
53233 Duplicating, copying, and printing inks
53235 Ink bottles, stands
5324 Paper fasteners
53245 Paper weights
53247 Pencils
5325 Penholders
53252 Pens
53253 Fountain
53254 Pentrays, racks
53255 Penwipers
5326 Piercers. Bodkins
53265 Pins
(Drawing pins are 538)
5327 Rulers
53275 Sealing wax. Seals
5328 String. Tape. Straps
53285 Trays
5329 Waste paper baskets
533 Papers
5331 Writing papers
5332 Plain
5333 Ruled
5334 Cash columns
5335 Scribbling paper. Pads
5336 Cartridge papers
5337 Manilla papers
5338 Drawing papers
53383 Squared
53385 Wrapping papers
5339 Blotting papers
53391 Pads
534 MS. books
5342 Plain
5343 Ruled
5344 Cash columns
5345 Squared
5346 Thumb index
5347 Copying and manifolding
5348 Guard books. Albums
5349 Calendars. Diaries
535 Cardboards
536 Tickets. Labels
537 Stamps. Inking pads. Small printing outfits
538 Drawing. Implements and supplies
(Drawing papers are 5338)
(Erasers are 5325)
(Inks are 5323)
(Pencils are 53247)
539 Painting. Implements and supplies
55 **Communication, Correspondence**
551 Mail in
552 Immediate
553 Referred to departments, to be dealt with
5535 To report
554 Mail out
555 Departmental communications
556 Telephone. Telegraph
5561 Exchange calls "in." Messages
5562 Calls "out"
5563 Trunk calls "out"
5564 Branch telephones. Private wires. Calls "in"
5565 Calls "out"
5566 Directory

5567 Inter-departmental telephones
5568 Abortive calls. Complaints
5569 Telegrams
557 Interviews. Deputations. Call book
558 Copying. Copying press
5585 Copying supplies
559 Correspondence file. A—Z
(Correspondence is best classed by subject, leaving only sundries here. See preliminary remarks)
56 **Office**
561 Memoranda. Office tickler
562 Diary
563 Staff time book
564 Orders for the day. Work book. Routine calendar
565 Work in hand
(Standing jobs, other than routine work)
566 Work to be done
(This is work waiting, but not actually in hand)
567 Standing instructions
(This is the library's manual of method—how to do things. Subdivided like the main classification)
568 Matters requiring attention
569 Ideas. Projects
57 **Office** (contd.)
571 Typewriting. Typewriter machine
572 Typewriter supplies
573 Duplicating. Duplicator machine
574 Duplicator supplies
575 Printing. Copy
(Except catalogue copy 663, and magazine copy 881)
576 Proof
577 Reports. Returns
(Obtained by the librarian for his own use. If for committee they go in 4296. Divided like the main classification)
578 Departmental
Subdivided by any figures of the main classification indicating departments. Note that two figures should be used for the departments in class 7, thus :—
57871 Lending library
57874 Branches
Other departments are then marked :—
57862 Order dept.
57866 Cataloguing dept., etc.
This head is for general reports on the work of the department. Reports on particular matters go in 577
579 Reports "out"
(These are reports and returns made to other libraries, individuals, etc., on the work of the library. May be be subdivided like the main classification)
58 **Office** (contd.)
581 Statistics
(General. Statistics of stock are 659; of cataloguing 66699; of classification 678; of lending issues 7129; of registration 7189; of reference issues 7239; of newsroom attendance, 739)

582 Register of official supplies and forms. Samples
(On treatment of official forms and samples of supplies, see preliminary remarks)
583 Other supplies
584 Register of fittings
585 Catalogues of supplies and fittings
(Kept here, but divided like the main classification. General catalogues of library appliances are marked 38)
586 Recipes
(Divided like the main classification)
587 Notices. Bills
(Whether written or printed. Divided like the main classification. Circulars are 28)
589 Library council
(This is for meeting of librarian and heads of departments General staff meetings are 458)

6 **ACCESSION. DESCRIPTION. CONSERVATION**

61 **Selection**
611 Books
6112 On approval. Personal examination
6113 Guides
6115 Reviews
6116 Marked
612 Catalogues
6121 Publishers' catalogues
6122 British
61221 General
61222 Special, limited to a subject
61223 Special, limited to an author
61224 Juvenile
61225 Series
61226 Announcements, publishers' magazines
61227 Prospectuses of individual books
6123 American
(When without London branch or representatives)
6124 Foreign
(6123–4 may be divided like 6122 British)
61243 Government and official publications
61244 Society and institution publications
61246 Booksellers' catalogues
61247 Sale catalogues
61249 Marked catalogues
6125 Desiderata. General
61252 Local
61255 To complete sets
613 Suggestions
6131 From experts, lists on special topics
6132 Librarian's. Current
61321 Special funds, *e.g.* technical grant
61323 Special topics
61324 Reports on stock
(These are reports on authors or topics as represented on the shelves—as a guide in selection)
61325 Staff
(Until adopted by librarian)
6133 Readers'
6134 Suggestions by members of committee
61345 Queries. Doubtful books
6135 Books enquired for
6136 Duplicates
6137 Replacements
6138 Suggestions submitted to committee
6139 Suggestions approved
61395 Suggestions deferred
61396 Suggestions disapproved

614 Newspapers and magazines
6145 Excisions
6146 Specimen numbers
615 Pictures and photographs
616 Books for the blind
617 Lantern slides
(The above heads are subdivided like 611 Books, using the figures after 61)

62 **Purchase**
6203 Prices, nett book question
621 Order book
(This is for books and other material classed in 62. General order book is 515)
622 New books
623 Secondhand books
624 Newspapers and magazines
625 Pictures and photographs
626 Books for the blind
627 Lantern slides
628 Manuscripts
Subdivisions for use under above numbers (621 is not divided) :—
1 On order
(For records of material on order other than order book, 621, *e.g.*, Card register of secondhand books on order, 6231)
15 On hire
(*e.g.*, subscription to a circulating library of books, 62215; of lantern slides, 62715)
2 Works in progress
3 Annuals. Continuations
4 Subscriptions
45 Replacements
5 Reports
(Other than offers)
55 Lists of wanteds
6 Offers
62 Accepted
65 Orders not filled
7 Orders held back
75 Orders countermanded
8 Register of vendors
9 Auction sales

63 **Donations**
631 Acknowledgment
6315 Accepted. Donation book
(All offers go in 631 or 6315, not under the heads below)
632 Requests for donations
633 Books
6332 Works in progress
6333 Annuals. Continuations
634 Newspapers and magazines
Check list
635 Pictures and photographs
637 Books for the blind
638 Lantern slides

64 **Book processes**
641 Collating
642 Allocation to departments and libraries
643 Sizing
644 Cutting
645 Stamping
646 Plating
647 Tagging
649 Examination shelves

65 **Stock**
651 Stock books
652 Additions catalogue, current year
6525 Additions catalogue, prior to current year
653 Ephemerae
(Not permanently preserved)
654 Reserve
655 Exchange
656 Withdrawn. Worn out. Imperfect
6562 To be replaced
6565 Not to be replaced
657 Weeding out, examination of topics on shelves

6575 Books discarded
6578 Disposal of books, periodicals, etc., other than by sale and exchange
658 Missing
6585 Missing, found
659 Statistics
66 **Cataloguing**
6603 Various forms compared. Dictionary *v.* classed, etc.
6605 Annotation. Evaluation (Pro and con. Discussion of general principles)
661 Rules
6611 Author
6612 Subject
6613 Dictionary
6614 Annotations
6615 Pictures and photographs
6616 Music
6617 Reading lists
6618 Indexes
6619 Other special codes
66191 Manuscripts
662 Special records and memoranda
6621 Author headings, adopted forms
6622 Dictionary headings, adopted forms
6624 Abbreviations
6625 Check marks
6626 Cataloguing queries. Correspondence with authors, publishers, etc.
6627 Annotations, not incorporated in catalogues
6628 Readers' annotations
663 Copy for printer
6631 Checked
6632 Revised
6633 Arranged
6634 Mounted
6635 Marked
6638 Proof
664 Copy for MS. catalogues. Typed and written cards
6641 Checked
6642 Revised
6643 Arranged
6645 Inserted
665 Cuttings from printed catalogues. Printed cards
6651 Marked copy
6652 Cutting and mounting
6653 MS. additions
6654 Checked
6655 Revised
6656 Arranged
6658 Inserted
666 Catalogues. Staff and public (Printed catalogues are 81-84)
6661 Author or name
6662 Title
6663 Subject
66635 Subject index
6664 Dictionary
6665 Special catalogues
6666 Additions. Card or placard
6667 Guiding
66675 Coloured & special cards
6668 Instructions for use
66685 Temporary entries
6669 Under revision
66699 Statistics
667 Reading lists
6671 In preparation
6672 On special subjects
6673 For special classes of people (Original copy and typed lists go in 6672–3. Printed lists are 84)
6674 Suggestions for lists
6675 Picture bulletins
66756 Material
66757 Classified and arranged
66758 In preparation
66759 Collection of bulletins
668 Fittings and supplies
6681 Cabinets
6682 Trays. Boxes
6683 Sheaf binders. Guard books

6684 Placards. Frames
6685 "Drum" catalogues, *e.g.*, Rudolph rotator
6686 Cards. Card system
6687 Guides
6688 Slips
6689 Other
669 Co-operative cataloguing
6695 Works of reference
(This head is for reference to works useful in cataloguing. It may also be used for the books themselves)

67 **Classification**
671 Tables
673 Under consideration
674 Decisions
675 Book numbers
677 Records on tags and in books
678 Statistics
679 Works of reference
(This head is for references to works useful in classifying. It may also be used for the books themselves)

68 **The Shelf**
681 Shelf registers
682 Shelving, daily examination, dusting
683 Case and shelf labels
684 Plans, classification keys
687 Stocktaking, records at shelf
688 Stocktaking, reports

689 **Filing**
6891 Material
68915 Pamphlets
6892 Broadsides. Sheets
68925 News cuttings
6893 Periodicals
68935 Maps
6894 Music
6895 Prints
68955 Lantern slides
6896 Appliances
68965 Mounts
6897 Boxes
68975 Drawers. Cabinets
6898 Binders
68983 Portfolios
68985 Pigeon-holes
68987 Clips. Spikes
6899 Apron files. Shannon, etc.
68995 Vertical and similar files.

69 **Binding**
691 Covering materials
69107 Mode of preparation. Testing. Society of Arts' requirements
6911 Morocco
6912 Pigskin
6913 Roan
6914 Vellum. Parchment
6915 Other leathers
6916 Cloth
6917 Paper
6918 Boards
6919 End papers
692 Treatment
6921 Slight repairs
6922 Special repairs
6923 Recasing
6924 Binding. Rebinding
6925 Binding from the sheets
6926 Map and plate mounting
6927 Magazine cases
6928 Lettering
6929 Preservatives. Cleaning
693 Contracts. Specifications. Prices
694 Binding book
6945 Binder's sheets or slips
695 Binder's instructions
(General standing instructions)
6955 Imperfections. Missing parts. Binder's reports
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697 Rubbings. Sample volumes
698 Use of colours. Colour register
699 Home binding
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(Except covering materials 691)
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7104 Open access. Open *v.* closed shelves
(General and loan. Access to reference shelves is 7204)
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71103 Charging systems
71104 Ledger
71105 Cards. Slips
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7121 Books in. Cards, indicator, ledger
7122 Restricted. "Starred" books
7123 Bespoken. Retained
7124 Stopped for examination
(? wrong classification, undesirable, etc.)
7126 Renewals
7128 Records. Checks. Call slips
7129 Classification of issues. Statistics. Issue sheets
713 Return
7131 Books out
7132 Inter-library loans
(These are loans within the library system, *e.g.*, from central to branch or branch to branch)
7133 Inter-library discharges
(These are books borrowed at one library and returned to another)
71333 Loans to other departments
(*e.g.*, Lending loan to reference dept. or cataloguing room)
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(This will take all enquiries, suggestions and complaints as to *management*, irrespective of department. Enquiries as to book guidance, etc., are 725)
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branches are indicated by letters, preceding or following any class number, *e.g.*, T69 or 69T Binding at Thornton Heath branch)

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77 **Other library departments**

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Tone	.258
Tools	.167
Topography	.33
Torsion	.140
Tournaments	.580
Tours	.38
Towers	.186
Town Clerks	.808
Towns	.800
Townships	.802
Toxicology	.535
Tracts	.967
Trade	.840
Trade Labels	.853
Trade Marks	.852
Trades	.64
Trade Unions	.774
Training	.66
Transactions	.786
Transits	.278
Transliteration	.872
Transpiration	.390
Transport	.192
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Travels	.33 .38
Treaties	.824
Treatises	.3
Trials	.819
Trigonometry	.114
Trusses	.553
Tunnels	.172
Typography	.934
Undertakers	.568
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Urban Districts	.801
Useful Arts	.133
Vacations	.77
Valuation	.107
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Variation	.383
Vehicles	.191
Verbs	.891
Versification	.969
Vertebrata	.490
Vestments	.744
Vestries	.794
Veterinary Art	.589
Vibration	.155
Vices	.635
Villages	.803
Virtues	.636
Vital Statistics	.754
Vivisection	.477
Vowels	.870
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Vulgarisms	.895
Vulgarity	.624
Wages	.770
Walking	.407
Walks	.38
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Warfare	.222
Water	.250
Waterworks	.251
Weapons	.219
Weather	.311
Weeks	.290
Weights	.98
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West	.975
Wills	.835
Wind	.309
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Woodworking	.598
Work	.158
Worship	.668
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Yeast	.466
Zoological Gardens	.479
Zoology	.475

Table of Main Classes.

A	GENERALIA	
B–D	PHYSICAL SCIENCE	MATTER AND FORCE
E–F	BIOLOGICAL SCIENCE	LIFE
G–H	ETHNOLOGY AND MEDICINE	LIFE
I	ECONOMIC BIOLOGY	LIFE
J–K	PHILOSOPHY AND RELIGION	MIND
L	SOCIAL AND POLITICAL SCIENCE	MIND
M	LANGUAGE AND LITERATURE	RECORD
N	LITERARY FORMS	RECORD
O–W	HISTORY, GEOGRAPHY	RECORD
X	BIOGRAPHY	RECORD

SUMMARY TABLE OF MAIN CLASSES.

With Abbreviated Numbers for classifying small Collections, and qualifying other subject numbers.

A—GENERALIA.

A0 GENERALIA
A1 EDUCATION
A3 LOGIC
A4 MATHEMATICS
A5 GEOMETRY
A6 GRAPHIC AND PLASTIC ARTS
A9 GENERAL SCIENCE

B, C, D—PHYSICAL SCIENCE.

B0 PHYSICS, DYNAMICS
B1 MECHANICAL ENGINEERING, MACHINERY
B2 CIVIL ENGINEERING
B3 ARCHITECTURE
B5 RAILWAYS, VEHICLES
B6 TRANSPORT, SHIPBUILDING, SHIPPING
B8 NAVAL AND MILITARY SCIENCE
C0 ELECTRICITY
C1 OPTICS
C2 HEAT
C3 ACOUSTICS
C4 MUSIC
C8 ASTRONOMY
D0 PHYSIOGRAPHY
D1 HYDROGRAPHY, HYDROSTATICS
D2 METEOROLOGY, PNEUMATICS, HOROLOGY
D3 GEOLOGY, PETROLOGY
D4 CRYSTALLOGRAPHY, MINERALOGY
D6 METALLURGY, MINING, METAL TRADES
D7 CHEMISTRY
D9 CHEMICAL TECHNOLOGY

E, F—BIOLOGICAL SCIENCE.

E0 BIOLOGY, GENERAL
E1 BOTANY, GENERAL, ORDERS
E2 — CRYPTOGAMS
E3 — PHANEROGAMS (Gymnospermæ)
E4 — — LILIIFLORÆ (Haemodoraceæ)
E5 — — CENTROSPERMÆ (Cynocrambaceæ)
E6 — — ROSACEÆ (Roses)
E7 — — SAPINDALES (Sabiaceæ)
E8 — — UMBELLIFLORÆ (Umbelliferæ)
E9 — — TUBIFLORÆ (Gesneraceæ)
F0 ZOOLOGY, GENERAL, PROTOZOA
F1 — METAZOA
F2 — MOLLUSCA, ARTHROPODA (Crustacæ)
F3 — ARTHROPODA (Insecta)
F4 — CHORDATA, PISCES
F5 — REPTILIA
F6 — AVES (Birds)
F7 — MAMMALIA
F8 — — (Ungulata)
F9 — — (Carnivora)

G, H—ETHNOLOGICAL AND MEDICAL SCIENCE.

G0 ETHNOLOGY
G2 HUMAN ANATOMY, PHYSIOLOGY
G3 PATHOLOGY
G4 MATERIA MEDICA, PHARMACY
G5 THERAPEUTICS, MEDICAL AND SURGICAL SCIENCE (General)

G6 FUNCTIONS, DISEASES, OSTEOLOGY
G7 NERVOUS SYSTEM: BRAIN, INSANITY
G8 SENSORY SYSTEM
G9 RESPIRATORY SYSTEM
H0 BLOOD AND CIRCULATION
H1 DIGESTIVE SYSTEM
H2 URINARY SYSTEM
H3 REPRODUCTIVE SYSTEM
H4 SKIN AND HAIR
H5 PARASITICAL, INFECTIOUS AND OTHER DISEASES
H6 AMBULANCE, HYGIENE AND BURIAL
H7 PHYSICAL TRAINING AND EXERCISES
H8 FIELD SPORTS
H9 RECREATIVE ARTS

I—ECONOMIC BIOLOGY AND DOMESTIC ARTS.

I0 AGRICULTURE, DAIRY FARMING
I1 VETERINARY MEDICINE
I2 MILLING, GARDENING, FORESTRY
I3 WOOD WORKING
I4 TEXTILE MANUFACTURES
I5 CLOTHING TRADES
I6 COSTUME, JEWELLERY
I7 VEGETABLE AND ANIMAL PRODUCTS
I8 FOODS AND BEVERAGES
I9 GASTRONOMY, DOMESTIC ECONOMY

J, K—PHILOSOPHY AND RELIGION.

J0 METAPHYSICS
J1 AESTHETICS, PSYCHOLOGY
J2 ETHICS
J3 PHILOSOPHY
J4 THEOLOGY, RELIGION, GENERAL
J5 MYTHOLOGY, FOLK LORE
J6 CHURCH DOCTRINES
J7 — FASTS, FESTIVALS
J8 — GOVERNMENT
K0 CHURCHES AND SECTS, NON-CHRISTIAN
K1 CHRISTIAN CHURCHES, BIBLE
K3 CHRISTOLOGY
K4 EARLY AND EASTERN CHURCHES
K5 MONACHISM
K6 LATIN CHRISTIANITY, ROMAN CATHOLICISM
K7 PROTESTANTISM, EPISCOPAL CHURCHES
K8 NONCONFORMITY
K9 PRESBYTERIANISM AND MISCELLANEOUS

L—SOCIAL AND POLITICAL SCIENCE.

L0 SOCIAL SCIENCE
L1 POLITICAL ECONOMY
L2 — SCIENCE, GOVERNMENT
L3 CENTRAL AND LOCAL ADMINISTRATION
L4 LAW, INTERNATIONAL, GENERAL
L5 — TRIALS, ACTIONS
L6 — CRIMINOLOGY, POLICE, PENOLOGY
L7 CONTRACTS, PROPERTY AND TENURES
L8 COMMERCE AND TRADE, MONEY
L9 FINANCE

M—LANGUAGE AND LITERATURE

M0 LANGUAGE, GENERAL
M1 LITERATURE, GENERAL
M2 AFRICAN AND ASIATIC LANGUAGES AND LITERATURE
M4 EUROPEAN LANGUAGES AND LITERATURE (Latin, etc.)
M5 EUROPEAN LANGUAGES AND LITERATURE (Teutonic)
M6 AMERICAN LANGUAGE
M7 PALÆOGRAPHY, BIBLIOGRAPHY, HISTORICAL TYPOGRAPHY
M8 PRACTICAL PRINTING AND BOOKBINDING
M9 LIBRARY ECONOMY

N—LITERARY FORMS.

N0 FICTION
N1 POETRY
N2 DRAMA
N3 ESSAYS AND MISCELLANEA

O—UNIVERSAL HISTORY, GEOGRAPHY AND AFRICA.

O0 UNIVERSAL HISTORY
O1 ARCHÆOLOGY
O2 UNIVERSAL GEOGRAPHY
O3 NORTH AFRICA
O4 EGYPT
O5 EAST AFRICA
O6 CENTRAL AFRICA
O7 SOUTH AFRICA
O8 WEST AFRICA
O9 AFRICAN ISLANDS

P—OCEANIA AND ASIA.

P0 AUSTRALASIA
P1 POLYNESIA, MICRONESIA, MELANESIA
P2 MALAYSIA
P29 ASIA
P3 JAPAN
P4 CHINA
P5 FARTHER INDIA, MALAY STATES
P6 INDIA
P88 AFGHANISTAN
P9 PERSIA

Q, R—EUROPE, GENERAL AND SOUTH (Latin, etc.)

Q0 EUROPE, GENERAL
Q1 TURKEY IN EUROPE
Q12 — IN ASIA
Q2 PALESTINE
Q26 ARABIA
Q3 GREECE
Q4 BALKAN STATES
Q5 ITALY
R0 FRANCE
R6 SPAIN
R8 PORTUGAL

S, T—EUROPE, NORTH (Teutonic and Slavonic).

S0 RUSSIA IN EUROPE
S15 POLAND
S2 FINLAND
S25 RUSSIA IN ASIA
S3 AUSTRIA
S34 BOHEMIA
S4 HUNGARY
S5 SWITZERLAND
S6 GERMANY
S61 HOLY ROMAN EMPIRE
S7 PRUSSIA
T0 NETHERLANDS
T1 HOLLAND
T2 BELGIUM
T4 SCANDINAVIA
T5 DENMARK
T6 NORWAY
T8 SWEDEN

U, V—BRITISH ISLANDS.

U0 IRELAND
U2 WALES
U3 ENGLAND
V0 SCOTLAND
V5 UNITED KINGDOM
V6 BRITISH EMPIRE

W—AMERICA.

W0 AMERICA, GENERAL
W02 CANADA
W08 INDIAN TRIBES
W1 UNITED STATES
W5 MEXICO
W6 CENTRAL AMERICA
W63 WEST INDIES
W7 SOUTH AMERICA
W72 BRAZIL
W8 ARGENTINA
W9 POLAR REGIONS

X—BIOGRAPHY.

X0 COLLECTIVE AND CLASS BIOGRAPHY
X08 HERALDRY
X11 ORDERS OF KNIGHTHOOD
X2 EPITAPHS
X21 PORTRAITS, etc.
X3 INDIVIDUAL BIOGRAPHY, SUBDIVISIONAL TABLES

Classification Tables.

A. GENERALIA. GENERAL SCIENCE.

A

000 **Encyclopædias.** Dictionaries
001 **Collections** (Polygraphy)
002 Several Authors
003 Single Authors (Collected Works). *Arrange by Biographical Numbers*
004 **Concordances**
006 **Societies.** Associations (*Divide by National Nos.*)
007 **Congresses. Festivals.** Eisteddfod, etc., General. (*Divide by National Nos.*)
008 **Exhibitions.** Shows (*Divide by National Nos.*)
009 **Museums** (*Divide by National Nos.*)
010 **Recipes**
011 **Inventions**
012 **Patents**
013 Specifications (*Divide by National Nos.*)
014 Patent Agents
015 Patent Offices or Departments (*Divide by National Nos.*)
040 **Annuals.** Year Books
050 **Periodicals** General
051 Magazines —
052 Reviews —
053 Newspapers —
060 **Chap Books,** General
070 **Broadsides,** Leaflets, General

Note.—All Periodicals from 050 to 070, *when on special subjects, must be numbered with their Subject-Numbers.*

100 **EDUCATION**
101 **State Education**
102 State Aid
103 Education Departments or Ministries of Instruction (*Divide by National Nos.*)
104 Compulsory Education

A

105 Illiteracy
106 Secular Education
107 Religious Tests
110 **Methods of Teaching** (Pedagogy)
111 Lectures
112 Classes. Class Lessons. Forms
113 Laboratories
114 Methods of Study
115 **Educational Systems**
116 Infant Education. *See also* G110 Children
117 Kindergarten
118 Elementary Education
119 Secondary —
120 Higher —
121 Classical —
123 Humanities
125 Technical Education
126 Manual Training. Slöjd
127 Evening Schools
128 Home Education
129 Self Culture
130 **Schools and Colleges**
131 Curricula
132 Terms
133 Vacations
134 Scholarships. Bursaries
135 Examinations
136 Competitive
138 Overpressure. Overstudy
139 Cramming
140 Certificates. *See also* L130 Professions
141 Diplomas
142 Rewards and Prizes
143 Schools
145 Registers and Time Tables
146 Pupils. Students
147 Discipline
148 Punishments
149 Home Lessons
150 Object Lessons
151 Marks for Lessons

LIBRARY OF THE

A

152 Teachers
153 Head Teachers
154 Class —
155 Pupil —
156 Monitors
157 Tutors (Governesses) Ushers. "Coaches"
158 Public Schools
159 Fagging
160 Academies
161 Endowed Schools
162 Church Schools
163 Monastic Schools
164 Voluntary Schools
165 Boarding Schools
166 Private Schools
167 Truant Schools. Truants
168 Ragged Schools
169 Industrial Schools
170 Pauper Schools
171 Other Schools
180 **Universities**
181 Professors. Fellows
182 Matriculation
183 Graduation
184 Graduates
185 Degrees
186 University Extension

300 **LOGIC** (Dialectics)
301 Propositions (Assent, Doubt)
302 Names, Terms, Definitions (Nomenclature)
303 Reasoning (Argument)
304 Syllogism
305 Induction
306 Deduction
307 Observation
308 Experiment
309 Hypotheses
310 Generalization
311 Analogy
320 Classification (Methodology)
330 Fallacies. Errors

400 **MATHEMATICS**
401 **Arithmetic**
402 Numeration and Notation
403 Arabic Numerals
404 Roman Numerals

A

405 Greek Numerals
406 Other Numerals
407 Prime Numbers and Factors
408 Addition
409 Subtraction
410 Multiplication
411 Division
412 Fractions
413 Decimals
414 Analysis. Combinations. Permutations
415 Ratio and Proportion. Progression
416 Involution and Evolution
417 Bills of Parcels
418 Calculating Machines
419 Abacus
420 Mental Arithmetic
425 Arithmetic and Algebra, together
430 **Algebra**
431 Equations
432 Fractions
433 Binominal Theorem
434 Analysis
435 Proportion and Progression
436 Involution and Evolution
437 Higher Algebra
438 Determinants
439 Probabilities
440 Accidents
441 Chance
442 Luck
443 Logarithms
450 **Weights and Measures** (Metrics)
451 British Weights & Measures
452 Foreign Weights & Measures
453 Obsolete Weights & Measures
454 Metric System
455 Standardization of Weights, etc.
456 Measuring Machinery (Gauges, Meters, Rules, Slide Rule)
460 **Statistics,** General. (*Special statistics goes with subject*)
461 Records and Results, General
470 **Bookkeeping** (Accounts)
471 Accountancy. Accountants

A

472 Single-Entry Bookkeeping
473 Double-Entry —
474 Other Systems
475 Cost Accounts
476 Stock Keeping
477 Stock Taking and Valuation
478 Profit and Loss
479 Invoices and Statements
480 Cash Book
481 Ledger
482 Day Book
483 Other Books and Records
484 Assets. Receipts
485 Liabilities. Expenditure
486 Balance Sheets. Budgets
487 Auditing. Auditors
488 Estimating. Estimates (Bids)
489 Specifications
500 **Geometry**
501 Euclidian Geometry
502 Modern Geometry (Non-Euclidian)
503 Fourth Dimension
504 Analytical Geometry
505 Plane Geometry
506 Solid (Volumetric) Geometry
507 Curvilinear Geometry
508 Quadrature
509 Conic Sections
510 Descriptive Geometry
511 Projection
512 Perspective
513 Shadows
514 Stereotomy
515 Mathematical Drawing
520 **Calculus**
521 Differential
522 Integral
523 Quaternions
524 Functions
525 Finite Differences
530 **Trigonometry**
531 Plane
532 Spherical
540 **Mensuration**

600 **GRAPHIC AND PLASTIC ARTS. (The Pictorial Record)**

A

601 **Fine Arts,** General
602 National Divisions (*Divide by National Nos.*)
603 **Drawing and Painting**
Methods :—
604 Drawing, alone
605 Freehand Drawing
606 Model Drawing
607 Drawing for Reproduction
608 Book Illustration
609 Blackboard Drawing
610 Silhouette Drawing
611 Copying
612 Drawing Copy Books and Cards
613 Pantagraph
614 Painting, alone
615 Oil Painting
616 Water Colour Painting
617 Monochrome —
618 Encaustic —
619 Gesso —
620 Tempera (Distemper)
621 Brush Work
622 Other Methods
Mediums :—
623 Pencil Drawing
624 Chalk —
625 Charcoal —
626 Crayon (Pastels) —
627 Pen and Ink —
Subjects :—
628 Animal
629 Figure
630 Genre
631 Artistic Anatomy
632 Nude Studies
633 Draped Studies
634 Portraits
635 Miniatures
636 Caricature
637 Cartoons
638 Sketching from Nature
639 Landscape
640 Marine (Seascapes)
641 Plant Studies
642 Flowers
643 Fruit
644 Trees

Divide by Methods and Mediums

A

645 Frescoes
646 Scene Painting
649 **National Schools of Painting :—**
650 Ancient Schools
651 Oriental, General
652 Egypt
653 Japan
654 China
655 India
656 Persia
657 Arabia
658 Turkey
659 Greece
660 Italy
661 France
662 Spain
663 Portugal
664 Russia
665 Austria-Hungary
666 Switzerland
667 Germany
668 Netherlands
669 Holland
670 Belgium
671 Scandinavia
672 Denmark
673 Norway
674 Sweden
675 Britain, General
676 England and Wales
677 Scotland
678 Ireland
679 America
680 Works of Individual Painters (*Divide by Biographical Nos.*)
681 **Decoration**
682 Design
683 Ornament
684 Illumination
685 Poker Work
686 Appliqué Work
690 **Industrial Decoration**
691 House Painting
692 Mural Painting (generally) *See also* B313 Walls
693 Tapestry. *See also* I341 Curtains, etc.
694 Wall Papers. *See also* I341 Curtains, etc.

A

695 Paper Hanging. *See also* I341 Curtains
696 Other Wall Decorations
697 Mosaic Work. Niello, etc.
698 Signs and Sign Painting. *See also* L860 Advertising
699 Staining and Stains
700 Graining
701 Enamelling and Enamels
702 Lacquering and Lacquers
703 Japanning
704 Polishing and Polishes. Burnishing
705 French Polishing
706 Stencilling
710 **Etching**
711 Works of Individual Etchers (*Divide by Biographical Nos.*)
715 **Engraving**
716 Wood Engraving
717 Copper —
718 Steel —
719 Mechanical —
720 Aquatints
721 Mezzotints
722 Other Forms
723 Works of Individual Engravers
730 **Lithography**
731 Chromo-Lithography. *See also* M853–54 Colour-Printing
732 Algraphy
735 **Photo-Mechanical Engraving and Printing**
736 Woodburytype
737 Collotype
738 Photo-Lithography
739 Zincography
740 Half-tone Process
741 Photogravure
742 Process Printing. *See also* M840–55 Printing
750 **Photography.** *See also* C100 Optics
751 Photo-optics
752 Photo-chemistry
753 Cameras and accessories

A

754 Exposures
755 Shutters
756 Flashlight
757 Telephotography
758 Negative Processes
759 Wet Plates
760 Dry Plates and Films
761 Development
762 Fixing
763 Intensification and Reduction
764 Dark Rooms
765 Re-touching
766 Other Methods
767 Positive Processes
768 Daguerrotypes
769 Ferrotype (Tin Types)
770 Silver Prints
771 Bromide Prints
772 Blue Prints
773 Carbon Prints
774 Platinotype
775 Gum Bichromate Process
776 Toning and Fixing
777 Other Printing Methods
780 Enlarging and Copying
781 Orthochromatic Photography
782 Colour Photography
783 Trick Photography
784 Lantern Slide Making
785 Optical Lanterns (Magic Lanterns)
786 Kinematography (Moving Pictures)
787 Zoetrope (Wheel of Life)
788 Photographic Trades and Photographers
790 **Sculpture**
791 Modelling
792 Carving, Stone, Marble
793 Plaster Casts
794 Statuary
795 Monuments
796 Sepulchral Monuments. *See also* H662 Tomb Burial
797 Tombs. Shrines. Mausoleums

A

798 Canopies
799 Effigies
800 Brasses
801 Bas-reliefs
802 Cameos
803 Wax-Figures
804 Wax-Works
805 National Schools (*Divide by National Nos.*)
806 **Restoration of Pictures,** Sculpture, etc.
807 **Art Unions**
808 Picture Dealing and Dealers
809 Bric-a-brac
810 Artists' Marks and Monograms
820 **Art Galleries and Collections**
821 Public (*Divide by National Nos.*)
822 Private (*Divide by Biographical or National Nos.*)
823 Individual Artists (*Divide by Biographical Nos.*)
830 **Panoramas.** Dioramas
831 Peep Shows
900 **General Science**
901 Endowment of Research
902 Science and Arts (Together), General
903 Useful Arts (*Collected Works*)
904 Collected Trades
950 **Scientific Travel and Surveys** (*Divide by National Nos.*)

B-D PHYSICAL SCIENCE.

B

000 **PHYSICAL SCIENCE. GENERAL**
001 **PHYSICS** (Natural Philosophy)
002 **Molecular and Molar**
003 Ether
004 Atoms. Particles
005 Vortex-atoms
006 Solids
007 Elasticity
008 Torsion
009 Plasticity
010 Expansion
011 Contraction

B	
012	Cohesion
013	Attraction
014	Repulsion
015	Radiation
016	Radio-activity
020	**Dynamics** (Mechanics)
021	Kinematics
022	Statics
023	Force
024	Equilibrium
025	Graphic Statics
026	Kinetics
027	Motion
028	Vibration
029	Rotation
030	Gyroscope. Spinning Top
031	Centrifugal and Centripetal Force
032	Work. Friction
033	Gravity
034	Specific Gravity
035	Pendulum
036	Energy
037	Transmission of Force
038	Inclined Plane
039	Pulley
040	Wedge
041	Cord and Catenary
042	Cog Wheels
050	Structures and Materials
051	Stability
052	Rigidity. Tension
053	Strength
100	**Mechanical Engineering** (Applied Mechanics)
101	Mechanism
102	Rolling and Sliding Contacts
103	Trains of Mechanism
104	Lubrication
105	Linkages
106	Standardization of Mechanism
107	Adjustability
108	Interchangeability
110	**Machinery,** Implements, Tools (General)
111	Driving Machinery (Motive Power, Prime Movers)
112	Stationary Engines (General)
113	Screw Propellers
114	Turbines
115	Automatic Machinery and Actions
116	Locomotive Machinery (Auto-machinery)
117	Hoisting Machinery
118	Cranes
119	Derricks
120	Elevators. Lifts. Hoists
121	Scaffolding
122	Hauling Machinery
123	Haulage. Traction
124	Pressing and Crushing Machinery
125	Stamping (Embossing)
126	Diesinking
127	Hammering
128	Punching
129	Planishing (Flatting)
130	Compressing. Crushing
131	Holding and Gripping Machinery
132	Vices
133	Cutting and Shearing Machinery
134	Lathes and Turning
135	Milling
136	Knurling
137	Drilling and Boring
138	Planing
139	Slotting
140	Sawing
141	Saws
142	Grinding and Polishing Machinery
143	Filing. Files
145	Emery wheels. Grindstones
146	Rolling, Drawing and Bending Machinery
147	Drying Machinery
150	Sifting and Mixing Machinery
151	Separating
152	Distributing
153	Testing Machinery
154	Hand Tools: Planes, Axes, Chisels, etc.

B

160 **Machine Parts,** Appliances and Operations
161 Fitting, Assembling, Making Ready
162 Finishing
163 Gearing
164 Wheel gearing (Wheel and axle)
165 Rope gearing
166 Springs
167 Valves
168 Axles
169 Brakes
170 Pivots
171 Journals
172 Bearings
173 Ball Bearings
174 Levers
175 Balances. Counterpoises
176 Cranks. Eccentrics. Cams
177 Couplings. Connecting Rods
178 Shafting
179 Belting
180 Screws. Screw Cutting. Screw Standards
190 Model Machinery
191 Mills and Millwork
192 Turntables
193 Animal Power
194 **Engineers**
195 Military
196 Naval
197 Volunteer Engineers
198 Engine Drivers

200 **CIVIL ENGINEERING**
201 Excavations and Excavators
202 Caissons
203 Navvies
204 Embankments. Dykes
205 Land Slides
206 Gradients
207 Levels
208 **Roads**
209 Trails
210 Trade Routes
211 Caravan Routes
212 Highways
213 Subways

B

214 Turnpikes
215 Tolls
220 **Bridges** (Viaducts)
221 Stone and Brick
222 Iron and Steel
223 Wooden Bridges
224 Tubular
225 Suspension
226 Cantilever
227 Swing
228 Drawbridges
229 Other Varieties
230 **Tunnels.** Tunnelling
231 Subterranean Surveying
232 **Canals**
233 Locks
235 Canal Life and Boatmen
240 **Harbours**
241 Docks
242 Graving Docks and Dry Docks
243 Floating Docks
244 Breakwaters
245 Groins
246 Piers and Jetties
247 Quays
248 Wharves
249 Dredging and Dredgers

250 **SANITARY and Municipal Engineering**
251 Sanitary Engineering (alone)
252 Rural Sanitation
253 Urban —
254 House —
255 Trade —
260 Drainage. Drains
261 Combined Drainage
262 Sewage and Waste
263 Disposal of Sewage
264 Sewage Farms
265 Cesspools
266 Closets
267 Public Lavatories and Urinals
268 Middens
270 Nuisances
271 Air pollution
272 Waters pollution

B

273 Scavenging and Street Cleaning
274 Dust. Refuse
275 Dust Destructors
276 Pavements and Paving
277 Paviors
278 Streets in Towns
279 Traffic and Order
280 Noises
281 Watering
290 Municipal Engineering (alone). *See also* H620–25 Hygiene
295 Public Works, Boards or Ministries

300 **ARCHITECTURE**
301 Planning
302 Sites
303 Elevations
305 **Building Construction**
306 Materials
307 Limes, Cements
308 Quantities
309 Foundations
310 Piles and Pile-driving
311 Concrete
312 Artificial Stone, Marble, etc.
313 Walls. *See* A692 Mural Decoration
314 Underpinning
315 Shoreing
316 Rough casting
317 Rusticated Work
318 Circular Work
319 Masonry
320 Building Stones
321 Masons
322 Masons' marks
323 Brickwork
324 Bricks and Brickmaking
325 Terra-cotta
326 Bricklayers
327 Timber houses
328 Half-timber work
329 Roofs
330 Slates
331 Tiles
332 Other coverings

B

333 Floors
334 Wood-block flooring. Parquetry
335 Floor coverings (Linoleum, etc.)*See also* I450Carpets
336 Floor preparations
337 Beams
338 Girders
339 Ceilings
340 Plastering, Plasters, Stuccos
341 Plasterers
342 Doors
343 Doorways
344 Windows
345 Dormer windows
346 Oriel windows
347 Blinds and Screens
348 Staircases
349 Stair treads
350 Handrailing
351 Ladders and Steps
352 Other Structural details
355 Light and Air Rights
356 Ventilation
357 Building Operations
358 Clerks of Works
359 Builders
360 **Architectural Details**
361 Arches
362 Keystones
363 Pilasters, Piers
364 Buttresses
365 Flying buttresses
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371 Entablature: (Facias) Architraves, Friezes
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376 Balustrades
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378 Gargoyles

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379 Corbels
380 Corbel-tables
381 Crockets
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394 Gateways
395 Gates
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397 Lodges
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403 Spires
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406 Finials
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408 Cupolas
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413 Transepts
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415 Apses
416 Chapter houses
417 Refectories
418 Triforium
419 Clerestory
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428 Sedilia
429 Other details
430 **Domestic Architecture (general)**
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432 Palaces and Mansions
433 Cottages and Villas
434 Dining Rooms
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436 Larders
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505 Sidings
506 Level crossings
507 Rolling stock
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510 Couplings
511 Brakes
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541 Running Powers
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550 **VEHICULAR ENGINEERING**
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552 Tyres
553 Wheelwrights
554 Coaches and Carriages
555 Coach, Cab and Carriage Building
556 Chariots
557 Handcarts (Barrows)
558 Bath Chairs
559 Rickshaws
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561 Carts and Vans. Waggons
562 Omnibuses
570 Motor Carriages (Road Carriages or Auto-cars)
571 Traction engines
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584 Cycling as a sport
590 Litters
591 Palanquins
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594 Stretchers
595 Other Wheel-less Carriages

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601 **Travelling** (general)
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603 Land Transport
604 Ocean —
605 Aerial —
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608 Horse and Carriage Hiring
609 Job Masters
610 Cab Drivers
611 Coachmen
612 Driving and coaching
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614 Removals (Household and other)
615 Packing. Storage
616 Messengers and Porters
617 Commissionaires
618 Caretakers and Janitors
620 **Post Office** (*Divide by National Nos.*)
621 Postmasters
622 International Postal Union
623 Stamps, Post-Office. Franks
624 Revenue
625 Other
626 Post-Cards
627 Post-Marks
628 Mails
629 Parcel Post
630 Philately
631 Telegraphs
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633 Receivers
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635 Instruments
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640 Telephones
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645 Signalling (general)
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654 Lines
655 Bulkheads
656 Unsinkable ships
657 Stability of Ships
658 Shipbuilding Yards
659 Launching of Ships
660 Masts
661 Rigging
662 Gear of Rigging
663 Sails and Sailmaking
664 Windlasses and Ship Furniture
665 Varieties of Ships
666 Schooners
667 Brigs
668 Barques
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670 Other varieties of Ships
671 Boats
672 Boatbuilding
673 Motor Boats
674 Barges
675 Galleys
676 Gondolas
677 Punts and Punting
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680 Life-buoys
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682 Regattas
683 Shipbuilders
684 Anchors and Cables
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690 **SEAMANSHIP AND NAVIGATION**
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692 Nautical Almanacs
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696 Sailing Directions
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703 Rule of Road at sea
704 Lights on Vessels
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706 Pilotage
707 Pilots
708 Rowing and Boating
709 Sculling
710 Boat-races
711 Sea Marks (general)
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715 Lightships
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755 Flotsam, Jetsam and Ligan
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772 Mates
773 Pursers (Supercargoes)
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777 Sea Life
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427 Harmony
428 Intervals
429 Chords
430 Thoroughbass. Figured Bass
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432 Canto Fermo
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434 Canon
435 Fugue
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441 Rondo
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444 Arrangements. Transcriptions
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446 Chaconnes
447 Courantes
448 Divertissement
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467 Boleros (Cachuchas)
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610 Violin
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613 Double Bass (Contra-bass)
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615 Strings (Cat-gut and Wire)
620 **Stringed Instruments (Plectral, Plucked by Hand)**
621 Harps
622 Lyres
623 Irish Harp
624 Welsh Harp
625 Scotch Harp
626 Pedal or Concert Harp
627 Æolian (or Wind) Harp
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629 Other Harps
630 Psaltery
631 Citterns
632 Zithers
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634 Lutes
635 Pandura (Bandola)
636 Theorbo-Lute
637 Mandoline
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640	**Stringed Instruments. (Keyboard)**
641	Dulcimer
642	Virginals
643	Spinet
644	Clavichord
645	Harpsichord (Clavecin)
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648	Fingering
649	Vamping
650	Pianola
651	Mechanical Pianofortes
655	**Wind Instruments (Cup-blown)**
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657	Bugle Calls
658	Key (Kent) Bugle
659	Valve Bugle
660	Sackbut
661	Trumpets (Clarions, Clarino)
662	Slide Trumpet
663	Valve Trumpet
664	Cornetto
665	Cornet
666	Horns
667	Waldhorn (Hunting Horn)
668	French Horn (Valve Horn)
669	Post Horn
670	Buglehorn
671	Saxhorn
672	Saxotrombas
673	Trombones
674	Tubas
675	Ophicleide
676	Bombardon
677	Euphonium
678	Serpent
679	Pipe (Shepherd's Pipe)
680	Pandean or Pan Pipe
681	Pitch Pipe
682	Recorder
683	Flute-a-bec
684	Flageolet (Tin Whistle)
685	Fife
686	Piccolo

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687	Flutes (Transverse)
688	Ocarina
690	**Wind Instruments (Reed Blown)**
691	Bagpipes
692	Highland Bagpipes
693	Irish (Union Pipes)
694	Northumbrian ,,
695	Spanish ,,
696	Basset Horn
697	Clarinet
698	Bass Clarinet
699	Tenoroon
700	Saxophone
701	Shawna
702	Musette
703	Oboe (Hautboy)
704	Aboe d'Amore
705	Oboe d'caccia
706	Cor Anglais (English Horn)
707	Bassoon
708	Double Bassoon
709	Surrusophone
710	Harmonica
715	**Wind Instruments (Keyed)**
716	Regal
717	Accordion
718	Concertina
719	Melodeon
720	Harmoniums
721	American Organ
722	Mustel Organ
723	Water Organ (Hydraulus)
725	Organ (Pipe Organ)
726	Organ Blowing
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728	Barrel Organ
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730	**Percussion Instruments**
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736	Gongs
737	Tom-tom
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750 **Mechanical Instruments**
751 Musical Boxes
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753 Tuning Forks
760 **Orchestration** and Instrumentation
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[*Pianoforte and other arrangements go with Instruments*]
762 **Symphonies**
763 **Overtures**
764 **Concertos**
765 **Suites**
(*Arrange by Biographical Nos.*)
766 **Brass Band Music**
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768 **Wood-Wind Band Music**
770 **Chamber Music**
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772 Octets
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958 Observatories
960 **Astrology**
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003 Land as a whole
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005 Spherical Earth
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042 March
043 April
044 May
045 June
046 July
047 August
048 September

D

049 October
050 November
051 December
052 Weeks
053 Days (Dawn. Morning)
055 Monday
056 Tuesday
057 Wednesday
058 Thursday
059 Friday
060 Saturday
Sunday. *See* J760 Festivals
062 Twilight
063 Night
070 **Seismology**
071 Volcanoes
072 Earthquakes
073 Geysers
080 **Icework**
081 Ice
082 Glaciers
083 Icebergs
084 Snow
085 Hail
086 Frost
090 **Continents**
091 **Islands.** Atolls
092 **Mountains** (Orology)
093 **Plains.** Prairies. Marshes. Bogs
094 **Deserts**
095 **Caves.** Grottos
(*Single ones go at Countries, O–W*)
096 Underground Phenomena
097 Other Natural Land Features
100 **Hydrography**
101 **Oceans**
102 Atlantic Ocean
103 Atlantis
104 North Sea
Baltic Sea. *See* T940
Gulf of Mexico. *See* W634
105 Pacific Ocean
106 Indian Ocean
107 Arctic Ocean
108 Antarctic Ocean
Mediterranean Sea. *See* Q041
(*Other Seas go at nearest Countries, O to W*)

D	
120	**Ocean Currents**
121	Tides
122	Waves
130	**Lakes** (*Single lakes go at Countries, O–W*)
131	**Rivers** (*Single rivers go at Countries, O–W*)
132	Stream Flow
140	**Hydrostatics** (Water Power)
141	**Water**
142	Chemical Constitution
143	Uses (General)
144	Water Works
145	Reservoirs (Dams. Sluices)
146	Aqueducts
147	Conduits
148	Cisterns
149	Domestic Supply
150	Town Supply
151	Drinking Fountains
152	Filters
153	Wells
154	Artesian Wells
155	Hydro-kinematics
156	Capillary Attraction. Capillarity
158	Siphoning. Siphons
159	Buoyancy
170	**Hydraulic Engineering**
171	Hydraulic Presses
172	Hoists (Lifts. Elevators)
173	Rams
174	Wheels
175	Fountains
176	Pumps
200	**Meteorology** (Climatology)
201	**Atmosphere** (Pneumatics)
202	Composition
203	Cosmic Dust
204	Rainbows. Halos
205	Mirages
206	Sky
210	**Clouds**
211	Rain
212	Floods (Inundations)
213	Dew. Moisture
214	Hygrometry
215	Fogs (Mists. Hazes)
216	Droughts

D	
220	**Storms**
221	Cyclones
222	Anti-cyclones
223	Winds. Hurricanes
224	Trade Winds
225	Monsoons
226	Simoons. Siroccos. Mistral
227	Land and Sea Breezes
228	Waterspouts
229	Whirlwinds
230	Tornadoes
231	Dust Storms
232	Thunderstorms
233	Lightning
234	Atmospheric Electricity
235	Lightning Conductors
236	Barometers. Barometry
237	Anemometers
240	**Climate**
245	Weather
246	Forecasts
251	**Pneumatic Engines**
252	**Blowing Machinery**
253	Fans
256	Bellows
257	Blowpipe
258	Air Pumps
259	Other Machines
260	Compressed Air
261	Windmills
265	**Aerial Engineering**
266	Balloons
267	Flying Machines
268	Aeroplanes
269	Kites
270	**Horology**
271	**Time** (Civil)
272	Hours
273	Minutes
274	Seconds
275	Solar Time
276	Lunar Time
277	Sidereal Time
278	Regulation. Synchronization
279	Standards. Zones
280	**Watch and Clock-Making**
281	Movements

D
282 Escapements
283 Trains
284 Fuzees
285 Springs
286 Balances
Pendulums. *See* B035
288 Chimes. Striking Clocks
289 Other Parts (Dials, Hands, Cases)
290 Watches
291 Chronometers
292 Clocks
293 Hour Glasses
294 Sun-Dials
295 Other Time-keepers
296 Watch and Clock-Making, Auxiliary Trades

300 **GEOLOGY**
301 **Structural (Tectonic) Geology**
302 Denudation (Erosion)
303 Deposition
304 **Field Geology**
305 Outcrops
306 Dips
307 Strikes
308 Lamination
309 Folds
310 Dislocations
311 Faults
312 Jointing
313 Cleavage
314 Metamorphism
315 **Stratigraphical Geology**
316 **Archæan**
317 **Palæozoic**
318 Cambrian
319 Lower
320 Middle
321 Upper
322 Ordovician (Lower Silurian)
323 Gotlandian (Upper Silurian)
324 Devonian
325 Lower
326 Middle
327 Upper
328 Old Red Sandstone

D
329 Carboniferous
330 Permian
331 **Mesozoic** (Secondary)
332 Triassic
333 Lower
334 Middle
335 Upper
336 Jurassic
337 Lower (Lias)
338 Middle
339 Upper (Oolite)
340 Cretaceous
341 Lower
342 Upper
343 **Cænozoic** (Tertiary)
344 Lower
345 Eocene
346 Lower
347 Middle
348 Upper
349 Oligocene
350 Lower
351 Upper
352 Miocene
353 Pliocene
354 **Pleistocene** (Quaternary)
355 Glacial
356 Recent
360 **Petrology, Lithology** (Rocks)
361 **Igneous Rocks**
362 Volcanic
363 Plutonic
364 Lava
365 Pumice
366 Felsites
367 Basalt
368 Porphyry
369 Granites. Syenites
370 **Sedimentary Rocks**
371 Sandstones
372 Shale
373 Clays
374 Meerschaum
375 Gypsum
376 Limestone
377 Marl
378 Hornblende
379 Asbestos
380 Dolomite

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381 **Crystalline Schists** and Metamorphic Rocks
382 Gneiss
383 Schists
384 Slates
385 Marbles
386 Alabaster
387 Serpentine. Talc (Soapstone)
388 **Unclassified Rocks**
389 Stalagmites and Stalactites
390 **Earths**
391 **Sands**
395 **Economic Geology**
398 **Local Geology**
Fossils. *See* Palæontology

400 **CRYSTALLOGRAPHY**
401 Structure and Growth
402 Physical Crystallography
403 Optical —
404 Chemical —

410 **MINERALOGY**
411 Metallic Elements
412 Metalloids
413 Haloids
414 Sulphides. Arsenides
415 Sulphur Salts
416 Oxides
417 Manganites
418 Aluminates
419 Borates
420 Carbonates
421 Silicates and Titanates
422 Nitrates. Vanadates
423 Phosphates. Arsenates
424 Niobates. Tantalates
425 Sulphates
426 Tellurates
427 Chromates
428 Molybdates. Tungstates
429 Uranates
Light Metals :—
430 **Alkali Metals**
431 Potassium
432 Sodium
433 Lithium
434 Rubidium
435 Caesium

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436 **Alkaline Earth Metals**
437 Magnesium
438 Calcium
439 Strontium
440 Barium
441 Beryllium
442 **Earth Metals**
443 Aluminium
444 Scandium
445 Yttrium
446 Lanthanum
447 Cerium
448 Neodymium
449 Praseodymium
450 Ytterbium
Heavy Metals :—
451 **Iron Group**
452 Iron
453 Bar Iron
454 Pig Iron. Cast Iron
455 Malleable Iron
456 Steel
457 Manganese
458 Cobalt
459 Nickel
460 Chromium
461 Molybdenum
462 Tungsten
463 Uranium
464 Radium
465 Zinc
466 Cadmium
467 **Copper Group**
468 Copper
469 Lead. Thallium
470 Lead Working
471 Plumbing
472 Pewter
473 Mercury
474 Silver
Base Metals :—
475 **Antimony.** Vanadium
476 Bismuth. Niobium
477 Tin
478 Tinfoil
479 Stanneries
480 Tinsmiths
481 Tinkers
482 Zirconium. Titanium

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483 Thorium
Noble Metals :—
485 **Gold**
486 Platinum
487 Ruthenium
488 Rhodium
489 Palladium
490 Osmium
491 Iridium
492 Other Minerals
493 Ammonium
494 Borax
495 Calomel
496 Cinnabar
497 Graphite. Plumbago. Black Lead
498 Mica
499 Pyrites
500 Quartz
501 Flints
510 **Precious Stones**
511 Lapidary Work (Glyptics)
512 Artificial Precious Stones
513 Diamonds
514 Corundum
515 Rubies
516 Sapphires
517 Spinels
518 Beryls
519 Emeralds
520 Topaz
521 Garnets (Carbuncles)
522 Opals
523 Turquoises
524 Amethysts
525 Chalcedony
526 Agates
527 Onyx
528 Carnelian
529 Jasper
530 Felspar
531 Malachite
532 Lapis-lazuli
533 Amber
534 Jet
535 Jade (Nephrite)
536 Pearls
550 **Fuels**
551 Coal

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552 Collieries
555 Colliers
560 Peat (Braunkohle)
561 Lignite
562 Briquettes
563 Anthracite
565 Bitumen
566 Asphalt
570 Liquid Fuel
575 Other Fuels

600 **METALLURGY**
601 Smelting
602 Blast Furnaces
603 Open Hearth Furnaces
604 Ores
605 Bullion
606 Refining and Parting
607 Chlorination
608 Cyanide Process
609 Slags
610 Electro-Metallurgy. *See also* D728 Electrolysis
615 **Assaying**
616 Amalgams
617 Alloys
618 Metallography
620 **Mining Engineering**
621 Prospecting
622 Placer Mining
623 Boring
624 Shafts
625 Ventilation
626 Choke Damp
627 Timbering and Shoreing
629 Explosions
630 Fire Damp
Miners' Lamps. *See* C141 Lamps
Lighting of Mines. *See* C140 Lighting
633 Blasting
634 Winding Machinery. *See also* B120 Hoists
635 Miners
638 **Quarrying**
640 **Metal Trades**
641 Metal Working
642 Casting and Founding

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643 Moulding
645 Foundries
646 Armour Plates
647 Pipes. Tubes
648 Stoves
649 Hollow Ware (Pots, Pans, Kettles)
650 Hardening and Tempering
651 Annealing
652 Welding
653 Swaging
654 Soldering and Brazing
655 Surface Protection
656 Galvanizing
657 Gilding
658 Corrosion. Rust *See also* D728 Electrolytics, and D945-51 Paints
660 Blacksmithing. Forges
661 Forging
662 Drop Forging
663 Anvils
664 Brass-working
665 Brass
666 Bronze
667 Phosphor Bronze
668 Ormolu
669 Gun metal
670 Sheet-metal working
671 Metal Spinning
672 Repoussé Work
673 Chain Making. *See also* B684 Anchors
674 Nail Making. Rivets. Bolts, etc.
675 Wire
676 Wire Working
679 Cutlery
680 Needles. Pins
681 Locks and Keys. *See also* L962 Safes
685 Plate
686 Hall-marking
687 Other Marks & Standards
690 Ironmongery
691 Ironmongers

700 **CHEMISTRY**

D

701 **Alchemy**
702 Transmution of Metals (Philosopher's Stone)
703 Elixir of Life
704 Menstruum (Alkahest). *See also* D708
705 **Physical Chemistry**
706 Atomic Theory and Weights
707 Periodic Law
708 Solubility. *See also* D704
709 Fusion
710 Solidification
711 Vaporization
712 Condensation
713 Filtration
714 Phase Rule. Equilibria
715 Chemical Action and Affinity
716 Allotropy
717 Isomerism
720 Gases (Fluids)
721 Kinetics
722 Motions
723 Osmose
724 Measurements
725 Laws
726 Liquefication
727 **Electro-Chemistry**
728 Electrolytics (Electrolysis)
729 **Thermo-Chemistry**
730 **Analysis**
731 Qualitative
732 Quantitative
733 Volumetric Analysis
734 Adulterations. Public Analysts
735 Synthesis
736 **Salts**
737 **Alkalis**
738 Alkimetry
750 **Inorganic Chemistry**
751 **Non-Metals**
753 **Hydrogen** and the Halogens
754 Hydrogen
755 Fluorine
756 Chlorine
757 Hydrochloric Acid
758 Bromine
759 Iodine

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D
760 **Oxygen Group**
761 Oxygen
762 Sulphur
763 Selenium
764 Tellurium
770 **Nitrogen Group**
771 Nitrogen
772 Phosphorus
773 Arsenic
774 Cyanogen
780 **Carbon Group**
781 Carbon
782 Silicon
783 Boron
790 **Argon Group**
791 Argon
792 Helium
Metals, General. *See* D410 Mineralogy
800 **Organic Chemistry**
801 **Fatty Compounds**
810 **Hydrocarbons**
811 Benzines
812 Vaselines
813 Paraffins. Petroleum
814 Naphthalene
815 Others
816 **Halogen Derivatives**
820 **Alcohols**
821 Methyl Alcohols
822 Ethyl —
823 Chloral
824 Chloroform
825 Iodoform
826 Phenols
830 **Ethers**
835 **Aldehydes**
840 **Ketones.** Quinones
850 **Acids**
851 Acetic
852 Boracic
853 Carbolic
854 Carbonic
855 Citric
856 Gallic
857 Hydrobromic
858 Hydrocyanic (Prussic Acid)
859 Lactic

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860 Nitric
861 Oxalic
862 Phosphoric
863 Pyrogallic
864 Sulphuric
865 Sulphurous
866 Tannic
867 Tartaric
868 Uric
869 Others
870 **Carbohydrates**
871 Saccharine
872 Dextrine. Glucose. Grape Sugar
873 Starch. Cellulose
875 **Albuminous Substances** (Albuminoids)
876 Proteids
877 Gelatines
878 Biliary Substances
879 Musk
880 Pepsin
890 **Carbocyclic Compounds**
895 **Heterocyclic Compounds**
896 **Alkaloids**

900 **CHEMICAL TECHNOLOGY**
901 Chemicals
902 Vegetable Products
903 Animal —
904 Mineral —
905 Coal Tar Derivatives
906 Destructive Distillation
907 Waste Products, Utilization
910 **Explosives**
911 Dynamite. Gun Cotton
912 Gunpowder
913 Nitro-Glycerine
914 Cordite. Melinite
915 Others
916 Fireworks (Pyrotechnics)
917 Ammunition (General)
918 Cartridges
920 **Gas Manufacture**
921 Gas Lighting
922 Acetylene
923 Calcium Carbide
924 Mond Gas
925 Water Gas

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926 Other Gases
927 Incandescent. Lamps
928 Gas Holders
929 Gas Fitting
930 Meters
931 Burners
935 **Oils, Fats, Stearine, etc.**
936 Oils
937 Essential Oils
938 Soaps
939 Candles
940 Lubricants. Greases
941 Lard
942 Glycerine
943 Perfumery
944 Margarine (Artificial Butter)
945 **Colours, Paints, Adhesives, etc.**
946 Colours and Pigments
947 Artists' Colours
948 Paints
949 White Lead
950 Putty
951 Varnishes
952 Glues. Adhesives, General (Viscosity)
953 Gums
954 Cements
955 Resins
956 Tars and Pitch
957 Waxes
958 Sealing Wax
959 **Drysaltery**
960 Oil and Colour Trades
961 Cleaning Materials
962 Other Cleansers, etc.
965 **Pottery** (Ceramics)
966 Clays
967 Bodies
968 Potter's Wheel
969 Glazes
970 Lead Glazes
971 Earthenware
972 Porcelain
973 Stoneware
974 Majolica
975 Faïences
976 Potteries and Wares

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977 Sevres
978 Dresden
979 Vienna
980 Worcester
981 Derby
982 Chelsea
983 Staffordshire
984 Delft [Wares
985 Other Potteries and
986 Marks and Monograms
987 **Glass**
988 Glass Blowing
989 Crystal
990 Flint Glass
991 Venetian Glass
992 Plate Glass
993 Stained Glass
994 Bottles
995 Bottling
996 Stoppering
997 Sand Blast
998 Glazing
999 Glazier Trade

E-F BIOLOGICAL SCIENCE.

E

000 **BIOLOGY,** General
001 **Origin of Life.** Spontaneous generation (Epigenesis
002 Nature of Life
003 Cytology (Cell Theory)
004 Protoplasm
005 Lowest Living Forms. (Not definitely assigned to Botany or Zoology)
006 Biometrics
007 Special or Divine Creation
008 **Evolution**
009 Development. Growth
010 Ontogeny
011 Phylogeny
012 Variation
013 Natural Selection
014 Survival of the Fittest
015 Species
016 Ecology (Environment)
017 Heredity
018 Atavism

E
019 **Anatomy, Comparative**
020 Osteology. Odontology
021 Craniology
022 Dissection
023 **Physiology, Comparative**
024 Chemical Physiology
025 Blood and Circulation
026 Respiration
027 Transpiration
028 Nervous System
029 Nutrition (Alimentation)
030 Digestion
031 Hunger
032 Thirst
033 Absorption
034 Secretion
035 Excretion
036 Pigmentation
037 Animal Heat
038 Periodicity
040 Sleep
041 Hibernation
042 Migration
043 Animal Movements
044 Walking
045 Flying
046 Swimming
047 **Organography, Comparative**
048 **Morphology** —
049 **Histology (Tissues)** —
050 **Metabolism** (Palingenesis)
051 **Pathology, Comparative**
052 Etiology
053 Teratology
054 Abnormalities. Hermaphroditism
055 Degeneration
056 Putrefaction
057 Death
058 Longevity
060 **Reproduction, Comparative** (Genesiology)
061 Asexual Reproduction (Parthogenesis)
062 Abiogenesis
063 Metagenesis (Alternation of Generation)
064 Sexual Reproduction
065 Copulation

E
066 Determination of Sex
068 Embryology
069 Propagation
070 Cultivation
071 Hybridization
072 **Ethology** (*inclusive heading for groups of subjects between* 060 and 077)
073 **Habits**
074 **Instinct**
075 **Protection Methods** (Protective resemblances)
076 Mimicry
077 **Coloration**
078 **Local Biology**
079 **Marine Biology**
080 **Geographical Distribution**
081 Acclimatization
082 **Parasites** (General)
085 **Taxidermy**
086 Collector's Manuals
087 Preparation of Specimens

090 **PALÆONTOLOGY**

100 **BOTANY** (Phytology)
101 **Seeds**
102 Seedlings
103 Sporangia
104 Roots
105 Bulbs
106 Tubers
107 Thallus
108 Shoots
109 Branches
110 Thorns and Spikes
111 Hairs
112 Stems
113 Bark
114 Phyllotaxy (Arrangement of Leaves)
115 Leaves
116 Foliage Plants
117 Chlorophyll
118 Other Members
119 **Fertilization**
120 Pollination
121 Entomophily (Insects)
122 Anemophily (Wind)

E

123 Inflorescence
124 Abortion
125 Flowers
126 Buds
127 Æstivation
128 Perianth
129 Andrœcium (Stamens)
130 Gynœceum (Carpels. Pistils)
131 Scent of Flowers
132 Colours of Flowers
133 Irritability of Plants
134 Language of Flowers
140 **Fruits**
141 Achenes
142 Nuts
143 Schizocarps
144 Follicles
145 Legumes (Pods)
146 Capsules
147 Berries
148 Drupes
149 Pomes
150 Gourds
151 **Forms of Vegetation**
152 Herbs
153 Trees (Dendrology)
154 Shrubs
155 Hydrophytes (Water Plants)
156 Pelagic Botany (Plankton)
157 Xerophytes (Low transpiration)
158 Halophytes (Coast and salt steppe plants)
159 Mesophytes
160 Aerophytes (Air Plants)
161 Epiphytes (Non-parasitic clingers)
162 Climbing Plants
163 Parasitical Plants
164 Saprophytes
165 Insectivorous Plants
166 Galls
167 **Distribution of Plants**
168 **Island Floras**
169 **Mountain Floras**
170 **Zones of Vegetation**

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171 **Floral Regions**
172 **Local Floras**
173 Field Botany and Collecting
174 Wild Flowers and Plants (Wild Gardens)
175 Exotic Plants
176 **Economic Botany, General**
180 **Botanic Gardens**
185 Herbaria
192 **Orders, Families and Kinds of Plants**
(*Arrangement based on Classification of Engler*)
195 **Palæo-Botany**
200 **Cryptogamic Botany**
205 **Thallophyta**
206 **Schizophyta**
207 Blue-green Algæ
208 Cyanophyceæ
210 Bacteria
211 Schizomycetes
212 Microbes
213 Ferments
214 Fermentation
215 Yeast
216 Diastase
217 Bacteriology
220 **Dinoflagellata**
221 **Peridineæ**
222 **Bacillariales**
224 **Diatomaceæ** (Diatoms)
225 **Gamophyceæ**
226 **Chlorophyceæ** (Green Algæ)
227 **Protococcoideæ**
228 **Siphoneæ**
229 **Confervoideæ**
230 **Conjugatæ**
231 **Charales**
232 **Phæophyceæ**
233 **Dictyotales**
235 **Florideæ** (Red Seaweeds)
240 **Seaweeds,** General
250 **Fungi** (Mycology)
251 **Phycomycetes**
252 **Oomycetes**
253 **Zygomycetes**
254 **Mesomycetes**

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255 **Mycomycetes**
256 Ascomycetes
257 Exoascaceæ
258 Perisporiaceæ
259 Pyrenomycetes
260 Discomycetes
265 Mushrooms, General
266 Truffles
270 **Archegoniatæ**
275 **Bryophyta**
276 Hepaticæ (Liverworts)
277 Musci (Mosses. Bryology)
280 **Pteridophyta** (Vascular Cryptogams)
285 Filices (Ferns)
290 Hydropterides(Phizocarps)
293 Equisetales (Horsetails)
295 Lycopodiales (Club Mosses)
300 **Phanerogamia** (Spermaphyta—Flowering Plants)
301 **Gymnospermæ**
302 **Cordiateæ**
303 **Cycadales**
304 Cycadaceæ
305 **Bennettitales**
306 **Ginkgoales**
307 **Coniferales**
308 Coniferæ
309 Araucariaciæ
310 Arcaucaria(Chili Pines—Monkey Puzzle)
311 Abietineæ
312 Pines
313 Cedars
314 Deodars
315 Larches
316 Firs
317 Taxodiinæ
318 Sequoias
319 Red Wood
320 Cupressineæ
321 Cypresses
323 Junipers
324 Podocarpeæ
325 Taxeæ
326 Yews
327 **Gnetales**
328 Gnetaceæ
330 **Angiospermæ**

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331 **Monocotyledones**
332 **Pandanales**
333 Typhaceæ
334 Pandanaceæ
335 Sparganiaceæ
336 **Helobieæ**
337 Potamogetonaceæ
338 Naiadaceæ
339 Aponogetonaceæ
340 Juncaginaceæ
341 Alismaceæ
342 Butomaceæ
343 Triuridaceæ
344 Hydrocharitaceæ
345 **Glumifloræ**
346 Gramineæ
347 Maize (Indian Corn)
348 Sugar Cane
349 Millet. Sorghum
350 Rice
351 Grasses (General)
352 Oats
353 Rye
354 Wheat
355 Barley
356 Bamboos
357 Cyperaceæ
358 Papyrus
359 Sedges
360 Bulrushes
361 **Principes**
362 Palmæ
363 Dates
364 Cocoa-nut (Copra)
365 Sago
366 Areca (Betel Nuts)
367 **Synanthæ**
368 Cyclanthaceæ
369 **Spathifloræ**
370 Araceæ
371 Lemnaceæ
372 **Farinosæ**
373 Flagellariaceæ
374 Restionaceæ
375 Centrolepidaceæ
376 Mayacaceæ
377 Xyridaceæ
378 Eriocaulaceæ
379 Rapateaceæ

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380	Bromeliaceæ
381	Pine Apples
382	Commelinaceæ
383	Pontederiaceæ
384	Philydraceæ
385	**Liliifloræ**
386	Juncaceæ
387	Rushes
388	Stemonaceæ
389	Liliaceæ
390	Asparagus
391	Garlic
392	Onions
393	Leeks
394	Aloes
395	Tulips
396	Lilies
397	Hyacinths
398	Lily of the Valley
399	Sarsaparilla
400	Haemodoraceæ
401	Amaryllidaceæ
402	Amaryllis
403	Narcissus
404	Snowdrops
405	Velloziaceæ
406	Taccaceæ
407	Dioscoreaceæ
408	Yams
409	Iridaceæ
410	Crocuses
411	Iris
412	Gladiolus
413	**Scitamineæ**
414	Musaceæ
415	Bananas
416	Plantains
417	Traveller's Tree
418	Zingiberaceæ
419	Ginger
420	Cardamoms
421	Cannaceæ
422	Marantaceæ
423	Arrowroot
424	**Microspermæ**
425	Burmanniaceæ
426	Orchidaceæ
427	Orchids
428	Vanilla

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430	**Dicotyledons**
431	**Archichlamydeæ**
432	**Piperales**
433	Saururaceæ
434	Piperaceæ
435	Pepper
436	Chloranthaceæ
437	Lacistemaceæ
438	**Juglandales**
439	Juglandaceæ
440	Myricaceæ
441	Leitneriaceæ
442	**Salicales**
443	Salicaceæ
444	Willows
445	Poplars
446	Aspens
447	**Fagales**
448	Betulaceæ
449	Hornbeams
450	Hazels
451	Birches
452	Alders
453	Fagaceæ
454	Beeches
455	Chestnuts
456	Oaks
457	Cork Tree
458	Casuarinaceæ
459	Walnut
460	**Urticales**
461	Ulmaceæ
462	Elms
463	Moraceæ
464	Mulberry
465	Hops
466	Bread Fruit
467	Hemp(Cannabis—Hashish, Bhang)
468	India Rubber Tree
469	Banyan Tree
470	Fig Tree (Figs)
471	Urticaceæ
472	Nettles
473	Rhea Fibre
474	**Proteales**
475	Proteaceæ
476	**Santalales**
477	Loranthaceæ

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478 Mistletoe
479 Myzodendraceæ
480 Santalaceæ
481 Sandalwood
482 Grubbiaceæ
483 Olacaceæ
484 Balanophoraceæ
485 **Aristolochiales**
486 Aristolochiaceæ
487 Rafflesiaceæ
488 Hydnoraceæ
489 **Polygonales**
490 Polygonaceæ
491 Rhubarb
492 Buckwheat
493 **Centrospermæ**
494 Chenopodiaceæ
495 Beetroots
496 Mangolds
497 Spinach
498 Amarantaceæ
499 Nyctaginaceæ
500 Cynocrambaceæ
501 Batidaceæ
502 Phytolaccaceæ
503 Aizoaceæ
504 Portulacaceæ
505 Basellaceæ
506 Caryophyllaceæ
507 Carnations
508 Sweet Williams
509 **Ranales**
510 Nymphæaceæ
511 Lotus
512 Victoria Water Lily
513 White Water Lilies
514 Yellow Water Lilies
515 Ceratophyllaceæ
516 Magnoliaceæ
517 Magnolia
518 Lactoridaceæ
519 Trochodendraceæ
520 Anonaceæ
521 Myrioticaceæ
522 Nutmegs
523 Ranunculaceæ
524 Pæony
525 Marsh Marigold
526 Hellebore

E
527 Columbine
528 Monkshood (Aconite)
529 Anemones
530 Clematis
531 Buttercups
532 Celandine
533 Lardizabalaceæ
534 Berberidaceæ
535 Barberry
536 Menispermaceæ
537 Calycanthaceæ
538 Monimiaceæ
539 Lauraceæ
540 Cinnamon
541 Camphor
542 Sassafras
543 Laurels
544 Hernandiaceæ
545 **Rhœadales**
546 Papaveraceæ. (Poppies Opium.)
547 Cruciferæ
548 *Brassica*
549 Mustard
550 Cabbages
551 Cauliflowers
552 Brocoli
553 Kale
554 Turnips
555 Rape
556 Watercresses
557 Nasturtiums
558 Tovariaceæ
559 Capparidaceæ
560 Resedaceæ
561 Mignonette
562 Moringaceæ
563 **Sarraceniales**
564 Sarraceniaceæ (Pitcher Plants)
565 Nepenthaceæ
566 Droseraceæ
570 **Rosales**
571 Podostemaceæ
572 Crassulaceæ
573 Cephalotaceæ
574 Saxifragaceæ
575 Grass of Parnassus
576 Hydrangeas

E

577 Currants
578 Gooseberries
579 Cunoniaceæ
580 Myrothamnaceæ
581 Pittosporaceæ
582 Hamamelidaceæ
583 Bruniaceæ
584 Platanaceæ
585 Plane Trees
586 Rosaceæ
587 *Spiræa*
588 *Pyrus*—
589 Rowans (Mountain Ash)
590 Apples
591 Pears
592 Quinces
593 Pomology
594 *Rubus*—
595 Raspberries
596 Brambles (Blackberries)
597 *Fragaria*—
598 Strawberries
600 Roses
601 *Prunus*—
602 Apricots
603 Plums
604 Prunes
605 Almonds
606 Peaches
607 Nectarines
608 Cherries
609 Connaraceæ
610 Leguminosæ
611 Acacias. Indigofera (Indigo)
612 Mimosa (Sensitive Plant)
613 Logwood
614 Cassia (Senna)
615 Tamarinds
616 Copaiba
617 Sainfoin
618 Pea-nuts
619 Gorse (Furze, Whins)
620 Laburnums
621 Lucerne
622 Clovers
623 Shamrock
624 Vetches

E

625 Tares
626 Beans
627 Peas
628 Sweet-Peas
629 Scarlet-Runners
630 French Beans
631 Lentils
632 **Geraniales**
633 Geraniaceæ
634 Pelargoniums
635 Geraniums
636 Oxalidaceæ
637 Tropæolaceæ
638 Linaceæ
639 Flax
640 Linseed
641 Humiriaceæ
642 Erythroxylaceæ
643 Coca
644 Zygophyllaceæ
645 Lignum vitæ
646 Creosote
647 Cneoraceæ
648 Rutaceæ
649 Rue
650 Angostura Bark
651 Satinwood
652 Citrons
653 Lemons
654 Limes
655 Oranges
656 Simarubaceæ
657 Quassia
658 Burseraceæ
659 Myrrh
660 Frankincense
661 Meliaceæ
662 Mahogany
663 Malpighiaceæ
664 Trigoniaceæ
665 Vochysiaceæ
666 Tremandraceæ
667 Polygalaceæ
668 Chailletiaceæ
669 Euphorbiaceæ
670 Spurge
671 Croton
672 Castor-oil plant
673 Cassava (Tapioca)

E

674 Callitrichaceæ
675 **Sapindales**
676 Buxaceæ
677 Boxwood
678 Empetraceæ
679 Coriariaceæ
680 Cyrillaceæ
681 Limnanthaceæ
682 Anacardiaceæ
683 Mangoes
684 Pistachio Nuts
685 Celastraceæ
686 Euonymus
687 Aquifoliaceæ
688 Holly
689 Stackhousiaceæ
690 Hippocrateaceæ
691 Icacinaceæ
692 Staphyleaceæ
693 Aceraceæ
694 Sycamore
695 Maple
696 Hippocastanaceæ
697 Horse-chestnuts
698 Sapindaceæ
699 Lychees
700 Sabiaceæ
701 Melianthaceæ
702 Balsaminaceæ
703 **Rhamnales**
704 Rhamnaceæ
705 Cascara
706 Vitaceæ
707 Grape Vines
Viticulture. *See also* I860 Wines
708 Raisins
709 Virginia Creepers (Ampelopsis Veitchii)
710 **Malvales**
711 Elæocarpaceæ
712 Tiliaceæ
713 Lime Tree
714 Malvaceæ
715 Marsh mallows
716 Hollyhocks
717 Mallows
718 Hibiscus
719 Cotton plant

E

720 Bombacaceæ
721 Baobabs
722 Durians
723 Sterculiaceæ
724 Cacao (Cocoa or Choco-
725 Kola [late)
726 **Parietales**
727 Dilleniaceæ
728 Eucryphiaceæ
729 Ochnaceæ
730 Caryocaraceæ
731 Marcgraviaceæ
732 Quiinaceæ
733 Chlaenaceæ
734 Theaceæ
735 Tea
736 Camellias
737 Stachyuraceæ
738 Guttiferæ
739 St. John's Wort
740 Ironwood
741 Dipterocarpaceæ
742 Ancistrocladaceæ
743 Elatinaceæ
744 Tamaricaceæ
745 Frankeniaceæ
746 Cistaceæ
747 Bixaceæ
748 Canellaceæ
749 Koeberliniaceæ
750 Violaceæ
751 Violets
752 Pansies
753 Flacourtiaceæ
754 Turneraceæ
755 Malesherbiaceæ
756 Passifloraceæ
757 Passion Flowers
758 Caricaceæ
759 Loasaceæ
760 Begoniaceæ
761 Begonias
762 Datiscaceæ
763 **Opuntiales**
764 Cactaceæ
765 Cactuses
766 Prickly Pears
767 **Thymelaeales**
768 Geissolomaceæ

E	
769	Penaeaceæ
770	Oliniaceæ
771	Thymelaeaceæ
772	Elaeagnaceæ
773	**Myrtifloræ**
774	Lythraceæ
775	Purple Loostrife
776	Blattiaceæ
777	Punicaceæ
778	Pomegranates
779	Lecythidaceæ
780	Brazil Nuts
781	Rhizophoraceæ
782	Mangroves
783	Myrtaceæ
784	Myrtles
785	Guavas
786	Allspice
787	Cloves
788	Eucalyptus (Blue Gum Tree)
789	Combretaceæ
790	Melastomaceæ
791	Onagraceæ
792	Fuchsias
793	Hydrocaryaceæ
794	Haloragidaceæ
795	**Umbellifloræ**
796	Araliaceæ
797	Ivy
798	Ginseng
799	Umbelliferæ
800	Hemlock
801	Celery
802	Caraways
803	Parsley
804	Aniseed
805	Fennel
806	Samphire
807	Angelica
808	Asafœtida
809	Parsnips
810	Coriander
811	Carrots
812	Cornaceæ
813	**Sympetalæ**
814	**Ericales**
815	Clethraceæ
816	Pyrolaceæ

E	
817	Lennoaceæ
818	Ericaceæ
819	Rhododendrons
820	Huckleberries
821	Whortleberries
822	Cranberries
823	Heathers (Lings
824	Heaths
825	Epacridaceæ
826	Diapensiaceæ
827	**Primulales**
828	Myrsinaceæ
829	Primulaceæ
830	Primulas
831	Primroses
832	Cowslips
833	Auriculas
834	Cyclamens
835	Plumbaginaceæ
836	**Ebenales**
837	Sapotaceæ
838	Ebenaceæ
839	Ebony
840	Persimmons
841	Symplocaceæ
842	Styracaceæ
843	**Contortæ**
844	Oleaceæ
845	Ash trees
846	Syringas (Lilacs)
847	Olive Tree (Olives)
848	Privet
849	Jasmine
850	Salvadoraceæ
851	Loganiaceæ
852	Nux Vomica (Strychnos)
853	Gentianaceæ
854	Gentians
855	Apocynaceæ
856	Oleanders
857	Asclepiadaceæ
858	Stephanotis
860	**Tubifloræ**
861	Convolvulaceæ
862	Jalap
863	Convolvulus
864	Polemoniaceæ
865	Phlox
866	Hydrophyllaceæ

E
867 Boraginaceæ
868 Heliotrope
869 Borage
870 Verbenaceæ
871 Verbena
872 Labiatæ
873 Rosemary
874 Lavender
875 Sage
876 Marjorum
877 Thyme
878 Mint
879 Pennyroyal
880 Patchouli
881 Phrymaceæ
882 Nolanaceæ
883 Solanaceæ
884 Belladonna
885 Henbane
886 Capsicum
887 Potatoes
888 Tomatoes
889 Mandrake
890 Petunia
891 Nicotiana (Tobacco Plant)
892 Scrophulariaceæ
893 Calceolarias
894 Musk plants
895 Veronica
896 Digitalis (Foxglove)
897 Lentibulariaceæ
898 Orobanchaceæ
900 Gesneraceæ
901 Gloxinias
902 Columelliaceæ
903 Bigoniaceæ
904 Pedaliaceæ
905 Sesame
906 Martyniaceæ
907 Globulariaceæ
908 Acanthaceæ
909 Acanthus
910 Myoporaceæ
911 **Plantaginales**
912 Plantaginaceæ
913 **Rubiales**
914 Rubiaceæ
915 Cinchona (Peruvian [Bark)

E
916 Gardenia
917 Coffee
918 Uragoga (Ipecacuanha)
919 Madder
920 Caprifoliaceæ
921 Elders
922 Guelder Roses
923 Honeysuckle
924 Adoxaceæ
925 **Aggregatæ**
926 Valerianaceæ
927 Valerian
928 Dipsaceæ
930 **Campanulatæ**
931 Cucurbitaceæ
932 Luffa (Loofah Bath Sponges)
933 Melons
934 Colocynth
935 Cucumbers
936 Pumpkins
937 Vegetable Marrows
940 Campanulaceæ
941 Bluebells
942 Canterbury Bells
943 Lobelias
944 Goodeniaceæ
945 Candolleaceæ
946 Calyceraceæ
950 Compositæ
951 Daisies
952 Michaelmas Daisies
953 China Aster
954 Compass Plant
955 Xanthium
956 Sunflowers
957 Jerusalem Artichokes
958 Dahlias
959 Chamomile
960 Chrysanthemums
961 Wormwood
962 Coltsfoot (Tussilago)
963 Marigolds
964 Thistles
965 Artichokes
966 Cornflowers
967 Chicory
968 Dandelions
969 Lettuces

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000 **ZOOLOGY**
(*Animal Functions and Parts take Categorical Numbers from Biological series*)
001 **Animal Life**
002 Reason in Animals
003 Cruelty to Animals
004 Bestiaries (Kindness to Animals)
005 **Vivisection**
006 Hair
007 Horns
008 Claws and Nails
009 Other Parts
020 **Menageries**
021 **Zoological Gardens**
022 Aquaria
025 **Local Faunas**
030 **Economic Zoology,** General
035 **Marine Zoology,** General
040 **Palæo-Zoology**
041 **Orders, Families and Kinds of Animals**
(*Arrangement based on Classification of Hertwig*)
045 **Invertebrata**
050 **Protozoa** (Animalculæ)
051 **Rhizopoda**
052 Monera
053 Lobosa (Amœbina)
054 Heliozoa (Sun Animalcules)
055 Radiolaria
056 Foraminifera (Thalamophora, Reticularia)
057 Mycetozoa (Slime animals)
060 **Flagellata** (Mastigophora)
061 Autoflagellata
062 Dinoflagellata (Cilioflagellata)
063 Cystoflagellata
070 **Ciliata** (Infusoria)
071 Holotricha
072 Heterotricha
073 Peritricha
074 Hypotricha
075 Suctoria (Actinetaria)

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080 **Sporozoa**
081 Gregarinida
082 Coccidiæ
083 Hæmosporida
084 Myxosporida
085 Sarcosporida
100 **Metazoa**
101 **Porifera**(Spongida—Sponges)
102 Calcispongiæ
103 Silicispongiæ
105 **Cœlenterata** (Cnidaria, Nematophora)
106 **Hydrozoa** (Hydromedusæ, Zoophytes)
107 Hydraria
108 Hydrocorallinæ
109 Tubulariæ—Anthomedusæ (Gymnoblastea)
110 Campanulariæ—Leptomedusæ
111 Trachomedusæ
112 Narcomedusæ
113 Siphonophora
115 **Scyphozoa** (Scyphomedusæ)
116 Stauromedusæ
117 Peromedusæ
118 Cubomedusæ
119 Discomedusæ
120 **Anthozoa** (Actinozoa—Corals. Sea Anemones
121 Tetracoralla
122 Octocoralla
123 Hexacoralla
124 Ctenophora (Comb-bearers. Jelly-fish)
130 **Vermes** (Worms)
131 **Platyhelminthes** (Flatworms)
132 **Turbellaria**
133 Polycladidea
134 Tricladidea
135 Rhabdocælida
136 **Trematoda**
137 Polystomiæ (Monogenea)
138 Distomiæ (Digenea)
139 **Cestoda** (Tapeworms)
140 **Nemertini**
141 **Rotifera** (Rotatoria)
142 **Cœlhelminthes**
143 **Chætognathi**

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144 **Nemathelminthes** (Round-worms)
145 Nematoda
146 Gordiacea
147 Acanthocephala
148 **Annelida** (Ringed worms)
149 **Chætopoda** (Bristle-footed worms)
150 Polychætæ (Marine worms)
151 Oligochætæ (Earth worms)
155 **Gephyræa**
156 Chætiferi (Armata)
157 Inermes (Achæta)
158 Priapuloidea
160 **Hirudinei** (Discophori—Leeches)
161 Gnathobdellidæ
162 Rhynchobdellidæ
163 **Polyzoa** (Bryozoa—Moss Animals)
164 **Entoprocta**
165 **Ectoprocta**
166 **Phoronida**
167 **Brachiopoda** (Lampshells)
168 Ecardines
169 Testicardines
170 **Echinoderma** (Radiata)
171 **Asteroidea** (Star Fish)
172 **Ophiuroidea** (Brittle Stars)
173 **Crinoidea** (Pelmatozoa—Sea Lilies)
174 **Eucrinoidea**
175 **Edrioasteroidea**
176 **Cystidea**
177 **Blastoidea**
178 **Echinoidea** (Sea Urchins)
179 Palechinoidea
180 Cidaridæ
181 Clypeastroidea
182 Spatangoidea
190 **Holothuroidea** (Sea Cucumbers)
191 Actinopoda
192 Paractinopoda
200 **Mollusca** (Malacology—Testacea)
201 **Shells (Conchology)**
202 Shellwork
203 Mother of Pearl

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204 **Amphineura**
205 **Placophora**
206 **Solenogastres** (Aplacophora)
207 **Acephala**(Lamellibranchiata)
208 Protoconchiæ
209 Scallops (Clams)
210 Oysters
211 Mussels
212 Cockles
213 Heteroconchiæ
215 **Scaphopoda** (Solenoconchæ)
220 **Gastropoda** (Snails)
221 Prosobranchiata
222 Limpets
223 Whelks
224 Periwinkles
225 Cowries
226 Opisthobranchiata
227 Bulla
228 Sea Slugs
229 Pulmonata
230 Pond Snails
231 Edible Snails
232 **Cephalopoda**
233 Tetrabranchia
234 Nautilus
235 Dibranchia
236 Squids
237 Cuttle-fish
238 Octopus
240 **Arthropoda**
241 **Crustacea**
242 Entomostraca (Lower Crustacea)
245 **Trilobitæ**
246 **Phyllopoda** (Water-fleas)
247 Branchiopoda
248 Cladocera
250 **Copepoda** (Cyclops, Carp-lice)
251 Eucopepoda
252 Siphonostomata (Parasita)
255 **Ostracoda**
256 **Cirripedia** (Barnacles)
257 Lepadidæ
258 Balanidæ
259 Rhizocephala
260 **Malacostraca**
261 **Leptostraca**

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262	**Thoracostraca** (Podophthalmia)
263	Schizopoda
264	Stomatopoda
265	Decapoda
266	Shrimps
267	Lobsters
268	Crayfish
269	Crabs
270	Cumacia (Marine parasites)
271	**Arthrocostraca** (Edriophthalmata)
272	Amphiopoda (Whale-louse)
273	Isopoda (Wood-lice)
274	**Acerata**
275	**Gigantostraca**
276	Xiphosura
277	Eurypterida
278	**Arachnida**
279	**Arthrogastrida**
280	Scorpionida (Scorpions)
281	Phrynoidea (Pedipalpi)
282	Microthelyphorida
283	Solpugida (Solifugæ)
284	Pseudoscorpii
285	Phalangida
290	**Sphærogastrida**
291	Araneina (Spiders)
292	Acarina (Mites)
293	Linguatul da
294	Tardigrada
295	Pycnogonida (Pantopoda)
298	**Malacopoda**
300	**Insecta** (Entomology. Insects)
301	Metamorphoses
302	Chilopoda (Myriapodæ—Centipedes)
303	**Hexapoda**
304	**Apterygota** (Bristle tails)
305	**Archiptera** (Pseudoneuroptera)
306	Termite or White Ants
307	May Flies
308	Dragon Flies
310	**Orthoptera**
311	Cockroaches
312	Earwigs
313	Grasshoppers
314	Locusts
315	Crickets
316	**Neuroptera**
317	Caddis Flies
318	**Strepsiptera**
320	**Coleoptera** (Beetles)
321	*Pentamera*—
322	Tiger Beetles
323	Water Beetles
324	Scarabus
325	Fire Flies
326	*Heteromera*—
327	Cantharides
328	*Tetramera*
329	*Trimera*—
330	Ladybirds
331	*Rhynchophora*—
332	Weevils
340	**Hymenoptera**
341	*Terebrantia*
342	*Entophaga*
343	*Aculeata*—
344	Wasps (Vespariæ)
345	Bees (Apiariæ)
346	Apiculture. Honey
347	Ants (Formicariæ)
350	**Rhynchota** (Bugs, Lice, etc.)
351	Hemiptera (Heteroptera)
352	*Homoptera*—
353	Aphidæ (Plant-lice. Phylloxera)
354	Coccidæ (Cochineal)
355	Aptera (Lice. Crab-lice)
360	**Diptera** (Flies)
361	Gnats
362	Mosquitos
363	Tsetse Flies
364	Hessian Flies
365	Horse Flies
366	House Flies
367	Blow Flies
370	**Aphaniptera** (Siphonaptera)
371	Fleas

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380 **Lepidoptera**
381 Microlepidoptera (Moths)
382 Geometrina (Moths)
383 Noctuina (Owlet Moths)
384 Bombycina (Silk Worms)
385 Silk Culture (Sericulture)
386 Sphingina (Sphinx Moths)
387 Rhapalocera (Butterflies)
390 **Diplopoda** (Chilognatha, Myriapoda)
400 **Chordata**
401 **Leptocardii** (Cephalochordia)
402 Lancelet
403 **Tunicata** (Urochorda)
404 Copelatæ
405 Tethyoidea (Ascidiæformes)
406 Thaliacea (Salpæformes)
407 **Enteropneusta** (Hemichordia)
410 **Vertebrata**
411 **Ichythyopsida** (Anamnia)
412 **Cyclostomata** (Marsipobranchii) Lampreys
413 **Myzontes** (Hyperotretia)
414 **Petromyzontes**
420 **Pisces** (Ichthyology—Fishes)
421 **Elasmobranchii**
422 Selachii
423 Sharks
424 Dogfishes
425 Skates
426 Sawfishes
427 Rays
428 Holocephali
430 **Ganoidei**
431 Crossopterygii
432 Chondrostei
433 Sturgeons
434 Holostomi
440 **Teleostei**
441 Physostomi
442 Cat-fish
443 Carp
444 Salmon
445 Trouts

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446 Smelts
447 Herrings
448 Sardines
449 Shad
450 Eels
451 Pike
452 Pharyngognathi
453 Flying Fishes
454 Acanthopteri
455 Perch
456 Bass
457 Mackerel
458 Swordfish
460 Anacanthini
461 Cod
462 Haddocks
463 Halibut
464 Flounders
465 Turbot
466 Soles
467 Lophobranchii
468 Seahorses
469 Plectognathi
470 **Dipnoi** (Lung Fish)
480 **Amphibia** (Batrachia)
481 Stegocephali
482 Gymnophiona (Cæciliæ. Apoda)
483 Urodela (Gradientia). Salamanders
484 Anura
485 Toads
486 Frogs
487 Bull Frogs
488 Newts
490 **Amniota**
500 **Reptilia** (Reptiles—Herpetology)
501 **Theromorpha**
502 **Plesiosauria**
503 **Ichthyosauria**
504 **Chelonia** (Testudinata)
505 Tortoises
506 Turtles
510 **Rhynchocephalia**
515 **Dinosauria**
520 **Squamata** (Lepidosauria)
521 Lizards
522 Geckos

F	
523	Iguanas
524	Monitors
525	Chameleons
550	**Ophidia** (Snakes. Serpents)
551	*Opoterodonta*—
552	Pythons
553	*Peropoda*
554	Boas
555	Anacondas
556	*Colubriformia*—
557	Black Snakes
558	Cobras
559	Common Snakes(Vipers)
560	*Solenoglypha*
561	Rattlesnakes
562	Copperhead Snakes
565	Snake-charming
570	**Crocodilia** (Loricata)
571	Crocodiles
572	Alligators
573	Caymen
580	**Pterodactylia**
600	**Aves (Ornithology—Birds)**
601	**Oology** (Eggs). Hatching. Incubation
602	**Feathers** (Plumage Birds)
603	**Nests**
604	**Saururæ**
605	**Odontornithes**
606	**Ratitæ** (Cursores—Runners)
607	*Struthiones*—
608	Ostriches
609	Rheas
610	*Casuarina*—
611	Emus
612	Cassowaries
613	*Apteryges* (Kiwi)
614	**Carinatæ** (Rasores—Scratchers)
615	*Gallinacea*—
616	Pheasants. Peacocks
617	Turkeys
618	Quails
619	Partridges
620	Grouse
621	Domestic Fowls
622	Poultry Farming
623	Cock Fighting

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625	**Columbinæ**
626	Pigeons
627	Carrier or Homing Pigeons
630	**Natatores** (Swimmers)
631	Ducks
632	Eider Ducks
633	Geese
634	Swans
635	Gulls
636	Terns
637	Albatross
638	Auks
639	Penguins
640	Loons
641	Grebes
642	Pelicans
643	Cormorants
645	**Grallatores** (Waders)
646	Herons
647	Ibis
648	Storks
649	Flamingos
650	Cranes
651	Rails
652	Bustards
653	Woodcocks
654	Plovers
655	**Scansores** (Climbers)
656	Parrots
657	Cockatoos
658	Cuckoos
659	Woodpeckers
660	**Passeres** (Insessores—Perchers)
661	Cage and Singing Birds, General
662	Canaries
663	Finches
664	Sparrows
665	Crossbills
666	Orioles
667	Skylarks
668	Thrushes
669	Robin Red-breast
670	Swallows
671	Wrens
672	Crows. Rooks
673	Ravens

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674	Jays
675	Birds of Paradise
676	Lyre Birds
677	Trochilidæ—Humming Birds
678	Kingfishers
679	Night-Hawks
680	Hornbills
685	**Raptores** (Birds of Prey)
686	Hawks
687	Hawking. Falconry
688	Eagles
689	Buzzards
690	Falcons
691	Owls
700	**Mammalia**
701	**Monotremata** (Ornithodelphia)
702	Duckbill Platypus
710	**Marsupialia** (Didelphia)
711	Dasyurus (Tasmanian Devils)
712	Bandicoots
713	Opossums
714	Wombats
715	Kangaroos
720	**Placentalia**
721	**Edentata**
722	Aardvarks
723	Pangolins
724	Ant-eaters
725	Sloths
726	Armadillos
730	**Insectivora**
731	Hedgehogs
732	Shrews
733	Moles
740	**Chiroptera**
741	Bats
742	Desmodus (Vampire bats)
743	Flying Foxes
750	**Rodentia**
751	*Duplicidentata*—
752	Hares
753	Rabbits
754	*Sciuromorpha*—
755	Squirrels
756	Prairie Dogs

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757	Flying Squirrels
758	Beavers
759	*Myomorpha* (Voles)—
760	House Mice
761	Field Mice
762	Rats
763	Vermin destroying. Rat catching
764	Musk Rats (Musquash)
770	*Hystricomorpha*—
771	Porcupines
772	Cavies (Guinea Pigs)
800	**Ungulata**
801	*Perissodactyla*—
802	Tapirs
803	Rhinoceros
810	Horses (Equidæ)
811	Training. Taming
812	Riding (Equitation)
813	Stud Books
814	Horse Racing (Turf)
815	Race Courses
816	Race Meetings
817	Trotting
818	Other Races
819	Arabian Horses
820	Race-horses
821	Hunters
822	Hacks or Roadsters
823	Draught or Shire Horses
824	Ponies: Shetland, Iceland, etc.
830	Mustangs
831	Zebras
832	Quaggas
833	Asses
834	Mules
835	*Artiodactyla*
836	*Non-Ruminantia*
837	Hippopotamus
838	Swine
839	Boar Hunting
840	Peccaries
841	*Ruminantia*
842	Giraffes
843	*Cervidæ* (Deer)
844	Common Deer
845	Moose
846	Reindeer

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847	Musk Deer
848	Deer Stalking
849	Stag Hunting
850	*Cavicornia*
851	*Bovidæ* (Cattle)
852	Herd Books
853	Wild Cattle
854	Oxen
855	Bulls
856	Bull Fighting
857	Bull Baiting
858	Milk Cows
859	Bisons
860	Buffaloes
861	Ovidæ (Sheep)
862	Flock Books
863	Goats
864	Musk Ox
865	Big Horn
866	*Antilopidæ*—
867	Antelopes
868	Gazelles
869	Chamois
870	*Tylopoda*—
871	Camels
872	Dromedaries
873	Alpacæ
874	Llamas
880	**Proboscidia**
881	Elephants
882	Mastodons
883	Dinotherium
884	**Hyracoidea**
885	**Sirenia**
886	Manatee
887	Dugong
890	**Cetacea**
891	Whales
892	Balœna (Right Whales)
893	Sperm Whales
894	Dolphins
895	Porpoises
896	Narwals
900	**Carnivora**
901	*Fissipedia*—
902	Bears
903	Bear-baiting
904	Raccoons
905	*Mustelidæ*—

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906	Minks
907	Martens
908	Sables
909	Ermines
910	Weasels. Ferrets
911	Otters
912	Otter Hunting
913	Sea Otters
914	Skunks
915	Badgers
916	Gluttons
917	*Canidæ*—
918	Dogs
919	Hunting Dogs (Hounds)
920	Greyhounds
921	Whippethounds
922	Deerhounds
923	Staghounds
924	Wolfhounds
925	Bloodhounds
926	Foxhounds
927	Otterhounds
928	Harriers and Beagles
929	Bassethounds
930	Dachshunds
931	Pointers and Setters
932	Spaniels and Retrievers
933	Sheep and Collie Dogs
934	Bull Dogs
935	Mastiffs
936	St. Bernard's
937	Newfoundlands
938	Great Danes
939	Boarhounds
940	Eskimo dogs
941	Terriers
942	Toy Dogs: Pugs, Poodles, etc.
943	Coursing
944	Dog Racing
945	Mongrels
946	Foxes
947	Fox Hunting
948	Local Hunts
949	Wolves
950	*Felidæ*—
951	Felis Domestica (Cats)
952	Persian Cats
953	Manx Cats

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954 Tabby Cats (Long and Shorthaired)
955 Wild Cats
956 Lions
957 Leopards
958 Cheetahs, Ocelots, Lynx
959 Tigers
960 Jaguars
961 Pumas or Cougars
962 Hyænas
963 Panthers
964 Ounces
965 *Pinnipedia*—
966 Seals
967 Sea Lions
968 Fur Seals
969 Walruses
970 **Prosimiæ**
971 Lemurs
972 Loris
980 **Primates**
981 *Platyrrhinæ* (New World Monkeys)—
982 Cebus
983 Spider Monkeys
984 Marmosets
985 *Catarrhinæ* (Old World Apes)—
986 Cynocephalus
987 Baboons
988 Mandrils
989 Macaques
990 Anthropoidæ (Simiidæ)
991 Gibbons
992 Orang-otangs
993 Gorillas
994 Chimpanzees

G, H—ETHNOLOGICAL AND MEDICAL SCIENCE.

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000 **ETHNOLOGY (ANTHROPOLOGY)**
001 **Man** (Anthropinæ. Bimana)
002 Origin of Man
003 Unity of the Human Races
004 Antiquity of Man
005 Pre-Adamite Man

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006 **Ethnography** (*Huxley's Classification*)
007 Negroid Races (Bushmen, Negroes, Papuans)
008 Australoid Races (Australians, Dravidians, Hamites)
009 Mongoloid (Mongols, Polynesians, Americans, Eskimos, Malays)
010 Xanthochroid (Fair Whites of North Europe)
011 Melanochroid (Dark Whites of Europe, Arabs, Afghans, Hindus, etc.)
012 Single Races. (*Divide by Language or National Nos.*)
015 **Somatics**
016 Anthropometry
017 Finger Prints
018 Craniology
019 Coloration
020 **Human Personality**
021 Puberty
022 Youth (Adolescence)
023 Manhood
024 Old Age
025 Longevity
026 Character
027 Types and Characters of Mankind
028 Imaginary Characters
029 Personal Habit and Cus-
030 **Personal Qualities** [tom
031 Genius
032 Uterine Descent
033 Male Descent
035 **Human Progress**
036 Race Improvement (Eugenism)
037 National Character (*Divide by National Nos.*)
038 Patriotism. Loyalty
040 **Civilisation, General**
041 National (*Divide by National Nos.*)
042 Special

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043 **Racial Questions**
044 Miscegenation (Racial Crossing)
045 Half Castes
046 Coloured *versus* White Races
047 Protection of Aborigines
048 Cannibalism (Anthropophagy)
049 Other questions
050 **Sexual Relations**
051 Celibacy
052 Bachelors
053 Spinsters
054 Platonic Love
055 Love
056 Free Love
057 Courtship. Betrothal
060 Marriage
061 Husband and Wife
062 Honeymoon
063 Marriage by Capture
064 Forbidden Degrees
065 Marriage with Blood Relations
066 Marriage with Deceased Wife's Sister
067 Conjugal Rights and Duties
068 Breach of Promise
069 Bigamy
070 Polygamy
071 Polyandry
072 Fornication (Venery)
073 Adultery
074 Incest
075 Divorce
076 Judicial Separation
080 **Human Relationships.** *See also* X076
081 Fathers (Stepfathers)
082 Mothers (Stepmothers)
083 Brothers (Stepbrothers)
084 Sisters (Stepsisters)
085 Uncles
086 Aunts
087 Cousins
088 Grandparents [ships
089 Other Family Relation-

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090 Tribal Relationships
091 Illegitimacy (Bastardy)
092 Concubinage
093 Seduction
094 Prostitution, General (Courtesans)
095 National (*Divide by National Nos.*)
096 Procuration
097 Brothels
098 Lock Hospitals
099 Magdalen (Rescue) Institutions
100 Pornography (Scatology, Erotica)
101 **Women**
102 Women's Rights
103 Feminist Movement
104 Widows
105 Suttee
106 Misogyny (Woman-hating)
110 **Children**
111 Boys
112 Girls
113 Childhood
See also A116 Infant Education
114 Law of Parent and Child
115 Orphans
116 Foundlings
117 Juvenile Delinquency
120 **Misanthropy**
200 **Human Anatomy and Physiology**
201 **Anatomy,** General (*Subdivide by Categorical Nos.*)
202 Regional or Topographical Anatomy
240 Dissection
241 Resurrectionists
250 **Physiology,** General (*Subdivide by Biological Nos. from Categorical Tables*)
300 **Pathology,** Human (Diseases)
301 **Etiology** (Causation of Disease)
302 Congenital Diseases
303 Inherited —

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304 Acquired Diseases
305 Diathesis
Disease Groups—
306 Functional Diseases
307 Climacteric —
308 Idiopathic —
309 Endemic —
310 Epidemic —
311 Pestilences
312 Plagues
313 Black Death
314 Zymotic Diseases
315 Occupational —
320 **Diagnosis**
321 Palpation
322 Pulse
323 Auscultation
324 Stethoscope
325 Physical Examination
326 Temperature. Thermometry
330 **Symptomatology**
331 Rigors
332 Hypertrophy
333 Œdema
334 Myxœdema
335 Atrophy
336 Abscesses. Ulceration
337 Hæmorrhage
338 Gangrene (Mortification)
339 Suppuration
340 Cough
341 Sputum
342 Pain
343 Exanthemata (Eruptions)
344 Other Morbid Conditions
345 **Prognosis**
350 **Clinics**
355 Inflammation
356 Metastasis
357 Infection
358 Agents and Action
359 Contagion
360 Immunity (Inoculation)
361 Periodicity
365 Teratology
366 Abnormalities
367 Hermaphrodites
368 Monsters

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369 Dwarfs
370 Giants
371 Other Abnormalities
375 Incurable Diseases
376 Euthanasia(EasyDeath)
377 Removal of the Unfit
378 Pseudo-Diseases
379 Malingering
380 Unknown Diseases
385 Degeneration
386 Debility (Exhaustion)
387 Senile Decay
390 Death
395 Post-mortem Examination (Autopsy). *See also* H650–695 Burial, etc.
400 **Materia Medica and Pharmacy**
401 Vegetable Drugs, General
402 Herbals (Medical Botany)
403 Animal Drugs, General
404 Mineral Drugs, General
405 **Pharmacy**
406 Pharmacopœias
407 Dispensatories
408 Formularies. Recipes
409 Posology (Doses. Prescriptions)
410 **Medicines and Drugs—Preparations—**
411 Abstracts
412 Aceta (Vinegars)
413 Aquæ (Waters)
414 Cataplasmata (Poultices)
415 Collodions
416 Confections (Electuaries)
417 Decoctions
418 Elixirs
419 Embrocations (Liniments)
420 Emplastra (Plasters)
421 Essences
422 Extracts
423 Infusions
424 Liquors (Solutions)
425 Lotions
426 Mixtures
428 Oleates
429 Pills
430 Powders

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431 Spirits
432 Succi (Juices)
433 Syrups
434 Tablets
435 Tinctures
436 Triturations
437 Trochisci (Lozenges)
438 Unguenta (Ointments)
440 Chemists and Druggists Trade
445 Patent Medicines
450 **Toxicology** (Poisons)
451 Vegetable Poisons
452 Animal —
453 Ptomaines —
454 Mineral —
455 Poisoning
456 Detection
457 Antidotes
458 Stomach Pump
460 Sale of Poisons
500 **Therapeutics.** Pharmacology
501 Action of Drugs, General
502 Tonics
503 Antipyretics
504 Febrifuges
505 Hæmatinics
Action on Lower Organisms—
506 Antiseptics
507 Disinfectants
508 Deodorizers
509 Anti-periodics
510 Anti-toxins
Special Drugs. *See* Functions
511 Specifics. Catholicons
512 Drug Administration
513 Epidermic Application
514 Endermic —
515 Hypodermic —
516 Inhalations
517 Enemata (Clysters)
518 Pessaries
519 Suppositories
520 Cold Applications (Compresses. Ice)
521 Heat Applications (Fomentations, etc.)
522 Masticatories (Gargles. Escharotics)

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523 Mechanical and other Remedies
524 Balneology (Baths)
525 Medicated Baths
526 Turkish —
527 Vapour —
528 Air —
529 Sea —
530 Shower, Needle Baths
531 Swimming Baths
532 Washing and Cleansing. *See also* H460 Toilet
533 Hydropathy
534 Massage
535 Electric Applications
536 Light Cure (Finsinism)
537 Climate Cures
538 Change of Air
539 Rest
540 Health Resorts (Sanatoriums)
541 Spas
542 Sea Voyages
543 Convalescence
544 Convalescent Homes
545 Transfusion of Blood
546 Faith Healing
547 Influence of Mind on Disease
548 Empirical Remedies
550 **Medical Science**
551 Ancient Systems of Medicine
552 Greek Systems
553 Arabian Systems
554 Modern Systems
555 Allopathy
556 Homœopathy
557 Brounonian
558 Other Systems
559 Domestic Medicine
560 Medical Jurisprudence (Forensic Medicine)
561 Medical Profession
562 Doctors
563 Surgeons
564 Quacks and Quackery
570 **Surgical Science** (Chirurgie)
571 Systems of Surgery
572 Operations
573 Amputations

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574 Excisions
575 Bloodless Surgery
576 Tapping
577 Cautery
578 Phlebotomy (Venesection, Blood-letting)
579 Leeches
580 Dressings
581 Bandages
582 Splints
583 Trusses
584 Orthopædic Surgery
585 Malformations. Deformi-
586 Artificial Limbs [ties
587 Crutches
588 Artificial Organs
600 **Organs, Functions and Diseases—**
601 **Osteology** (Bones. Cartileges)
602 Human Skeleton
603 Vertebral Column (Spine)
604 Spinal Curvature
605 Hunchback
Other Spinal Diseases. *See* G709 Spinal Cord
606 Skull, General
607 Bones of the Skull
608 Jaw (Maxilla)
609 Thorax (Chest)
610 Ribs
611 Sternum
612 Bones of Upper Extremity
613 Clavicle
614 Scapula
615 Humerus
616 Radius
617 Ulna
618 Carpus
619 Metacarpals
620 Phalanges
621 Arms
622 Axilla
623 Hands
624 Fingers
625 Whitlows
626 Bones of Lower Extremity
627 Hip Bone
628 Pelvis
629 Femur

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630 Patella
631 Tibia
632 Fibula
633 Tarsus
634 Metatarsus
635 Legs
636 Feet
637 Club Foot. Talipes
638 Toes
640 Bone Diseases
641 Periostitis. Periosteum
642 Caries
643 Osteotomy
644 Bone-setting
645 **Articulations,** General
646 Joints
647 Dislocations
648 Lameness
649 Cripples
650 Knee-joint
651 Bursæ (Bursitis)
652 Housemaid's Knee
653 Synovitis
654 Morbus Coxarius (Hip-joint Disease)
655 White Swelling (Tuberculous Arthritis)
656 **Locomotor System**
657 **Muscles,** General (Myology)
658 Tendons
659 Diaphragm (Midriff)
660 Myalgia
661 Trismus
662 Cramp
663 Writers' Cramp
670 **Mucous Membranes**
680 **Lymphatics**
681 Glands
682 Lymph
700 **Nervous System**
701 Nerves (Neurology)
702 Membranes of Central Nervous System
703 Peripheral Nervous Sys-
704 Dorsal Nerves [tem
705 Lumbar —
706 Sacral —
707 Cranial —
708 Other —

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709 Spinal Cord
710 Locomotor Ataxy
711 Myelitis
712 Spina Bifida
713 Other Spinal Diseases
714 Nervous Diseases
715 Apoplexy
716 Catalepsy
717 Trance
718 Coma
719 Chorea (St. Vitus's Dance)
720 Convulsions
721 Epilepsy (Falling Sickness)
722 Hysteria
723 Sleep
724 Dreams
725 Dream Books
726 Insomnia
727 Nightmare
728 Somnambulism (Sleep-
729 Neuralgia [walking)
730 Tic-doloureux
731 Neurasthenia
732 Neuritis
733 Nostalgia (Home-sickness)
734 Palsy
735 Paralysis (Hemiplegia)
736 Sciatica
737 Tetanus (Lock-jaw)
Minor Nervous Troubles—
738 Blushing (Flushing)
739 Bashfulness. Nervous-
ness
740 Other Nervous Diseases
741 Nerve and Brain Medi-
742 Sedatives [cines—
743 Anæsthetics
744 Stimulants
745 Hypnotics (Soporifics)
746 Narcotics
747 Anodynes
748 Antispasmodics
750 **Brain** (Cerebellum)
751 Anæmia
752 Concussion
753 Degeneration (Softening)
754 Headache (Megrim. Mig-
raine)
755 Hydrocephalus (Water on
the Brain)

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756 Meningitis
757 Phrenitis
758 Sclerosis
759 Sunstroke
760 Trepanning
761 Other Diseases
762 Head
763 Face
765 **Mental Physiology**
766 Expression
767 Laughter
768 Temperament
769 Phrenology
770 Physiognomy
771 Hypnotism (Mesmerism.
Electro-Biology)
772 Clairvoyance
773 Telepathy
774 Mind Transference
775 **Insanity** (Psychiatry)
776 Lunacy Commissions
777 Idiocy
778 Mania
779 Nymphœmania
780 Melancholia
781 Hypochondria
782 Delusions. Hallucination
783 Dementia
784 Dipsomania
785 Delirium Tremens
786 Alcoholism
787 Intemperance. Tem
788 Inebriates [peranc
789 Drug Habit
790 Kleptomania
791 Suicide
792 Harikari
793 Lunatic Asylums
795 **Sympathetic System**
796 Ganglions
797 Cords
798 Plexuses
800 **Organs of Special Sense** (Se
sory System)
801 **Eye** (Sight, Vision)
802 Retina
803 Iris
804 Optic Nerve
805 Cornea

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806 Sclerotic
807 Orbit
808 Conjunctiva
809 Conjunctivitis
810 Lachrymal Apparatus
811 Tears
812 Eyelids
813 Colour Sense [ism)
814 Colour Blindness (Dalton-
815 Blindness
816 Amaurosis
817 The Blind
818 Asylums for the Blind
819 Ophthalmics
820 Defects of Vision [tion
821 Errors of Accommoda-
822 Errors of Refraction
823 Astigmatism
824 Ametropia
825 Asthenopia (Eyestrain)
826 Cataract
827 Choroiditis
828 Glaucoma [Sight)
829 Hypermetropia (Long
830 Iritis [ness)
831 Myopia (Short Sighted-
832 Nystagmus (Eye-rolling)
833 Photophobia
834 Ptosis
835 Strabismus (Squinting)
836 Other Diseases and Defects
837 Spectacles
838 Spectacle Trade
839 Artificial Eyes
840 **Ear**
841 Otology (Diseases of Hear-
842 Hearing [ing)
843 Deafness
844 Otorrhœa
845 Earache
846 Deaf-mutism [Dumb
847 Asylums for Deaf and
848 Labyrinthine Sense
849 Balance
850 **Tongue**
851 Diseases
852 Taste
860 **Nose** (Rhinology)
861 Smell

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862 Polypus
863 Epistaxis (Bleeding)
864 Coryza (Catarrh or Cold
865 Hay Fever [in Head)
870 **Touch** (Feeling)
900 **Respiratory Organs**
902 **Vocal Organs.** *See also* C512 Vocal Practice
903 **Speech**. *See* M000 Language
904 Impediments
905 Stammering
906 Stuttering
907 Aphasia
908 Aphonia (Loss of Voice)
909 Dumbness
910 Pharynx
911 Pharyngitis
912 Tonsils
913 Tonsilitis
914 Uvulæ
915 Fauces
920 Larynx (Epiglottis)
921 Laryngitis
922 Laryngismus Stridulus
923 Throat, General
924 Quinsy
926 Trachea (Windpipe)
927 Tracheaitis
928 Tracheotomy
929 Bronchi (Bronchial Tubes)
930 Bronchitis
931 Thyroid Body
932 Goitre
933 Thymus Body
934 Neck
935 Torticollis (Wry Neck)
936 Breathing
937 Artificial Respiration
938 Dyspnœa
939 Asthma
940 Empyæma
950 Lungs
951 Pneumonia
952 Phthisis
953 Pleura
954 Pleurisy
955 Pleurodynia
956 Hydrothorax
957 Pleuro-pneumonia

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960 Medicines acting on Respiratory Organs
961 Errhines (Sternutatories)
962 Expectorants
963 Cough Sedatives

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000 **Blood and Circulation** (Hematology)
001 Blood
002 Red Corpuscles
003 White Corpuscles
004 Plasma
005 Serum
006 Blood Vessels, General
007 Anæmia
008 Chlorosis (Green Sickness)
009 Addison's Disease
010 Leukæmia
011 Circulation of the Blood
020 Arteries
021 Pulmonary Artery
022 Systemic —
023 Aorta
024 Thoracic Aorta
025 Abdominal —
026 Other Arteries
027 Acupressure
028 Aneurisms
029 Capillaries
030 Veins
031 Venæ Cavæ
032 Iliac
033 Portal
034 Jugular
035 Other Veins
036 Phlebitis
037 Varicose Veins
038 Thrombosis
040 Pericardium
050 **Heart,** General
051 Special
052 Angina Pectoris (Heart Pang)
053 Aortic Stenosis
054 Endocarditis
055 Fatty and other Degenerations
056 Palpitation
057 Pericarditis
058 Valvular Disease
059 Other Diseases

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100 **Organs of Digestion** (Digestive System)
101 Function of Digestion
102 Alimentation (Nutrition)
103 Mastication
104 Deglutition (Swallowing)
105 Chyle
106 Chyme
107 Fasting. Abstinence
108 Emaciation. *See also* G335 Atrophy
109 Cachexiæ
110 Famines (Starvation)
111 Gluttony
112 Mouth
113 Aphthæ (Thrush)
114 Stomatitis
115 Hare Lip
116 Palate
117 Cleft Palate
118 Salivary Glands
119 Ptyalism (Excessive Salivation)
120 Teeth
121 Dentition
122 Diseases
123 Toothache. Odontalgia
124 Dentistry
125 Artificial Teeth
126 Dentifrices
127 Abdominal Viscera
128 Peritoneum
129 Peritonitis
130 Abdomen
131 Stomach
132 Œsophagus
133 Pylorus
134 Dyspepsia (Indigestion)
135 Flatulence
136 Fœtid Breath
137 Gastralgia
138 Gastritis
139 Hiccough
140 Nausea
141 Sickness. Vomiting
142 Sea-sickness
143 Pyrosis (Heartburn. Water brash)
145 **Intestines**
146 Liver (Hepatology)

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147 Hepatitis
148 Cirrhosis. Jaundice
149 Gall Bladder
150 Bile
151 Biliousness
152 Gall Stones (Biliary
153 Spleen [Calculi)
154 Pancreas
155 Large Intestine
156 Cæcum
157 Typhlitis
158 Vermiform Appendix
159 Appendicitis
160 Colon
161 Ascending
162 Transverse
163 Descending
164 Sigmoid Flexure
165 Colotomy
166 Small Intestine
167 Jejunum
168 Ileum
169 Duodenum
170 Mesentery. Omentum (Epiploon or Caul)
171 Tabes Mesenterica
172 Intestinal Obstruction
173 Strangulation(Volvulus)
174 Constipation
175 Diarrhœa
176 Colic
177 Lead Poisoning
178 Rectum
179 Fistula
180 Anus
181 Hæmorrhoids (Piles)
182 Prolapsus
184 Excretions (Fæces)
185 Medicines acting on Alimentary Canal—
186 Sialogogues
187 Refrigerants
188 Antacids
189 Emetics
190 Carminatives
191 Purgatives
192 Cathartics
193 Aperients
194 Cholagogues

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195 Anthelmintics
196 Perinæum
200 **Urinary Organs** (Urinary Sys-
201 Kidneys [tem)
202 Nephritis
203 Renal Calculus
204 Albuminuria
205 Bright's Disease
206 Suprarenal Bodies
207 Renal Ducts
210 Bladder
211 Cystitis
212 Stranguary
213 Calculus (Stone)
214 Lithotomy
215 Gravel
216 Ureter
217 Urethra
218 Stricture
220 Urine
221 Micturation
222 Dysuria
223 Enuresis
224 Diabetes [gether)
230 Genito-Urinary Organs (To-
240 Medicines acting on Urinary Organs—
241 Diuretics
242 Lithontriptics
243 Diaphoretics (Sudorifics)
244 Antihidrotics
300 **Reproductive Organs** (Reproductive System)
301 Function of Reproduction
302 Copulation (Coition)
303 Sexual Inversion
304 Onanism (Masturbation)
305 Unnatural Indulgence
306 Infibulation
307 Venereal Diseases
308 Gonorrhea (Clap)
309 Bubo
310 Chancroid
311 Gleet
312 Chancre
313 Syphilis
314 **Male Organs of Generation**
315 Prostate
316 Prostatitis

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317	Testicles
318	Epididymis
319	Hydrocele
320	Orchitis
321	Cryptorchism
322	Scrotum
323	Tunica Vaginalis
324	Vas Deferens
325	Vesiculæ Seminales
326	Sperm
327	Castration
328	Eunuchism
329	Spermatic Cord
330	Spermatorrhœa (Nocturnal Discharges)
331	Penis
332	Glans Penis
333	Prepuce
334	Balanitis
335	Priapusmus
336	Circumcision
337	Impotence
338	**Female Organs of Generation**
339	Ovaries
340	Ovules. Ovulation
341	Impregnation
342	Fecundation
343	Embryology
344	Ovarian Diseases
345	Ovariotomy
346	Sterility
347	Fallopian Tubes
348	Uterus (Womb)
349	Cervix
350	Endometritis
351	Metritis
352	Prolapsus
353	Vagina
354	Vaginaismus
355	Leucorrhœa (Whites)
356	Hymen
357	Vulva
358	Clitoris
359	Labia
360	Menstruation (Catamenia)
361	Amenorrhœa
362	Dysmenorrhœa
363	Menorrhagia [Life)
364	Meno-pause (Change of

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365	Medicines acting on Generative Organs—
366	Aphrodisiacs
367	Anaphrodisiacs
368	Emmenogogues
369	Ecbolics
370	**Obstetrics** (Midwifery)
371	Pregnancy (Gestation)
372	Decidua
373	Placenta
374	Amnion
375	Umbilical Cord (Navel)
376	Extra-uterine Pregnancy
377	Molar Pregnancy
378	Labour (Parturition)
379	Dystocia
380	Cæsarian Operation
381	Abortion
382	Miscarriage (Premature Birth)
383	Puerperal Fever
384	Mammary Glands. Mammæ
385	Lactation
386	Milk Fever
387	Suckling (Wet-nursing)
388	Weaning
389	Midwives
390	Gynæcology, General
391	Diseases of Women and Children
392	**Pediatrics** (Diseases of Children)
393	Rearing of Children
394	Infant Mortality
395	Infanticide
396	Nurseries (Crèches)
400	**Skin** (Dermatology)
401	Pores
402	Perspiration
403	Desquamation
404	Tattooing
405	Moxa
406	Acne
407	Anthrax (Woolsorter's disease)
408	Bed Sores
409	Blackheads (Comedo)

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410	Boils
411	Bunions
412	Carbuncles
413	Chilblains
414	Corns
415	Chiropody (Pedicure)
416	Dandruff
417	Eczema
418	Favus
419	Freckles
420	Herpes (Shingles)
421	Ichthyosis
422	Impetigo
423	Intertrigo
424	Lichen
425	Lupus
426	Nævus (Mother Marks)
427	Nettle Rash. Hives
428	Pemphigus
429	Pimples
430	Pityriasis
431	Pruritus (Itch)
432	Psoriasis
433	Purpura
434	Seborrhœa
435	Tinea (Ringworm)
436	Warts
440	Medicines acting on the Skin—
441	Irritants and Counter Irritants
442	Rubefacients
443	Vesicants
444	Pustulants
445	Caustics
446	Emollients. Demulcents
447	Astringents
448	Styptics
450	**Hair**
451	Alopecia
452	Baldness
453	Sycosis
454	Depilatories
460	Toilet. *See also* G532 Washing
461	Barber Surgeons
462	Hairdressing
463	Wigs
464	Shaving

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465	Razors
466	Cosmetics
470	**Nails**
471	Onychia
472	Manicure
500	**Parasitical Diseases**
501	Ascariasis (Thread worms)
502	Cestoda (Tape-worms)
503	Hydatids
504	Pediculi (Lice)
505	Scabies
506	Trichinosis
507	Entozoa
508	Flukes
509	Ectozoa
510	**Infectious Diseases**
511	Fevers, General
512	Remittent Fevers
513	Continued Fevers
514	Intermittent Fevers. *See also* F362
515	Relapsing Fever
516	Typhoid Fever
517	Enteric Fever
518	Typhus Fever (Jail Fever. Spotted Fever)
519	Scarlet Fever (Scarlatina)
520	Malarial Fever (Ague)
521	Yellow Fever
522	Surgical Fever
523	Dengue (Break-bone Fever)
524	Diphtheria
525	Croup
526	Measles
527	Rubella (German Measles)
528	Parotitis (Mumps)
529	Whooping Cough (Chin Cough. Pertussis)
530	Small Pox (Variola)
532	Vaccination
533	Cow Pox
534	Chicken Pox
535	Cholera
536	Asiatic
537	Sporadic
538	Infantum
539	Plague
540	Bubonic Plague

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541	Beri-beri
542	Dysentery
543	Epidemic Influenza (Grippe)
544	**Tropical Diseases**
545	**Septic Diseases** (Ulcers)
546	Pyæmia
547	Septicæmia
548	Blood Poisoning
549	Necrosis (" Phossy Jaw ")
550	Erysipelas (Rose, St. Anthony's Fire)
551	**Constitutional, Symptomatic, General Diseases**
552	Tubercular Diseases, General
553	Cancer
554	Rodent Ulcers
555	Tumours
556	Myoma
557	Wens
558	Cysts
559	Scrofula (King's-Evil—Struma)
560	Rickets
561	Gout
562	Rheumatism
563	Lumbago
564	Scurvy
565	Cretinism
566	Leprosy
567	Elephantiasis
568	Dropsy
569	Ascites
570	Anasarca
571	Syncope
572	Fainting (Swoons)
573	**Injuries and Wounds**
574	Ruptures
575	Hernia
576	Wounds. Mutilations
577	Gunshot Wounds
578	Military and Naval Surgery
579	Fractures
580	Sprains
581	Bruises, Contusions, Sores
582	Suffocation
583	Burns and Scalds

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584	**Animal Bites**
585	Animal Infection
586	Rabies
587	Hydrophobia
588	Glanders (Farcy)
589	Snake Bites
590	Insect Stings or Bites
595	Other Injuries
600	**Ambulance**
601	First Aid
602	Life Saving
603	Drowning
604	Suspended Animation
610	**Hospitals, General**
611	Infirmaries, General
612	Wards
613	Asylums, General
614	Dispensaries
615	**Nursing**
616	Home Nursing
617	Hospital Nursing
618	Nurses
620	**Hygiene and Demography**
621	Public Health
622	State Medicine
623	Preventive Medicine
624	Personal Health
625	Cleanliness
	See also B250–90 Sanitary Engineering
650	**Burial.** Disposal of the Dead
651	Death Certificates
652	Inquests
653	Coroners and Coroners Courts
654	Mortuaries
660	Earth Interment
661	Cremation (Urn Burial)
662	Tomb and Vault Burial. Catacombs
663	Coffins. Sarcophagi
664	Coffin Plates
	See also A796 Sepulchral Monuments
670	Embalming
671	Mummies
680	Funerals
681	Wakes. Mourning
690	Cemeteries. Churchyards

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695 Undertakers
See also G390 Death
700 **Physical Training and Exercises**
701 Athletics, General
702 **Physical Development**
703 Training
704 English Methods
705 German and SwissMethods
706 Swedish Methods
707 Japanese Methods (Jiu-Jitsu)
708 Other methods
709 Home Training
710 Ambidextry
711 Gymnastics
712 Gymnasia
713 Calisthenics
714 Dumb Bells
715 Indian Clubs
716 Other Apparatus
720 **Athletic Sports**
721 Walking (Pedestrianism)
722 Running
723 Paper Chasing(Harriers)
724 Jumping
725 Vaulting
726 Wrestling
727 Wrestlers
728 Boxing
729 Pugilism(Prize Fighting)
730 Pugilists
731 Throwing the Hammer
732 Tossing the Caber
733 Mountaineering
734 Rock Climbing
735 Ice Climbing
736 Acrobatics
737 Acrobats
738 Contortionists
739 Swimming
740 Diving
741 Water Polo
742 Skating
743 Ski Running
744 Sledging. Toboganning
745 Other Athletic Exercises
750 **Outdoor Games**
751 Cricket
752 Batting
753 Bowling
754 Fielding
755 Wicket Keeping
756 Baseball
757 Rounders
758 Golf
759 Tennis
760 Lawn Tennis
761 Table Tennis (Ping Pong)
762 Badminton
763 Battledore and Shuttlecock
764 Fives
765 Racquets
766 Pelota
767 Hockey (Hurling. Shinty)
768 Polo
769 Tent Pegging
770 Lacrosse
771 Croquet
772 Bowling (Bowls)
773 Carpet Bowls
774 Skittles
775 Nine Pins
776 Quoits
777 Curling
778 Football
779 Association
780 Rugby
781 Pushball
782 Other Out-door Games
785 **Mechanical Amusements**
786 Swings
787 Merry-go-rounds
788 Water Chutes
789 Switch-back Railways
790 " Cock-shy " (Aunt Sally)
791 Other Mechanical Amusements
792 Travelling Shows
793 Caravan Life
794 Camping Out
800 **Field Sports**
820 Game Preserving
821 Game Laws
822 Poaching and Poachers
823 Close Times
824 Game-keepers

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830 Hunting. Game Shooting
831 Big Game
832 Ground Game
833 Flying Game
840 Trapping and Snaring Animals
850 Tournaments
851 Tilting (Quintain)
852 Gladiatorial Displays
853 Gladiators
854 Isthmian Games
855 Olympic Games
856 Other Sports and Games
900 **Recreative Arts (Amusements. Pastimes)**
901 **Games,** General
902 Games of Chance
903 Games of Skill
910 **Indoor Games and Amusements**
911 Billiards
912 Bagatelle
913 Pool
914 Shovelboard
915 Card Games
916 Playing Cards
917 Tarot
918 Whist
919 Progressive Whist
920 Solo Whist
921 Short Whist
922 Bridge
923 Poker
924 Napoleon (" Nap.")
925 Euchre
926 Vingt-et-un
927 Ecarté
928 Piquet
929 Baccarat
930 Patience
931 Cribbage
932 Bézique
933 Round Card Games
934 Other Card Games
935 Chess
936 Draughts (Checkers)
937 Board Games
938 Ludo
939 Halma

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940 Reversi
941 Gobang
942 Backgammon
943 Solitaire
944 Roulette
945 Hazard
946 Blind Hookey
947 Rouge-et-Noir
948 Faro
949 Fan-tan
950 Dice
951 Dominoes
952 Conjuring (Prestidigitation. Legerdemain)
953 Juggling
954 Card Tricks
955 Puzzles
956 Riddles. Rebuses
957 Acrostics. Anagrams
958 Conundrums
959 Forfeits
960 Other Indoor Games
970 **Children's Games** (Indoor and Outdoor)
971 Toys and other Apparatus
972 Dolls
973 Marbles
974 Counting-out Games
975 Ring Games
976 Other Round Games
980 **Dancing**
981 Dances (*Subdivide by Music Forms*, C465–97)
982 Balls
983 Ballrooms
984 Dancers
990 Conversaziones
991 Soirées. Assemblies

I—ECONOMIC BIOLOGY AND DOMESTIC ARTS.

I

000 **Agriculture and Farming**
001 Ministeries or Boards of Agriculture
002 **Soils**
003 Irrigation
004 Ditches
005 Draining

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006 Reclamation of Waste Lands
007 Manures. Fertilizers
008 Guano
009 Kelp
010 Ploughing. Ploughs
011 Ploughing Matches
012 Ploughmen
013 **Crops**
014 Rotation of Crops
015 Grains (Cereals. Bread-stuffs)
016 Hay
017 Green Crops
018 Special —
(*Single Plants—Wheat, etc.—go at Botany*)
020 Pests and Blights
021 Weeds and Weeding
022 Sowing. Planting
023 Reaping (Harvest)
024 Reaping Machines
025 Barns. Granaries
026 Grain Elevators
027 Ricks. Stooks, etc.
028 Ensilage. Silos
029 Enclosing Lands and Fields
030 Fences
031 Hedges
040 **Tropical Agriculture**
050 **Live Stock**
(*Single animals—Cattle, Horses, Sheep, Goats, etc.—go at Zoology*)
051 Stock Management
052 Grazing
053 Breeding and Rearing
054 Stables and Byres
060 **Dairy Farming**
061 Milk
062 Milk Products
063 Cream. Separators
064 Clotted Cream
065 Condensed Milk
066 Butter
067 Churns
068 Cheese
069 Koumiss

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070 Dairy and Milk Trade
075 Farmers and Agriculturists
080 Farm Servants and Labourers
081 Housing (Bothies)
090 Agricultural Depression and Distress
100 **Veterinary Medicine & Surgery** (Comparative Medicine)
101 Farriery
102 Horseshoeing
103 Spaying
104 Gelding
120 Diseases of Animals, General
(*Diseases of single animals go at name of Animal—Horse, etc., with Categorical number for Diseases*)
200 **Milling** (Grain Mills)
201 Threshing
202 Winnowing
203 Grinding and Milling
204 Millers
205 Flour and Meal Trades
206 Grain Merchants
220 **Gardening** (Horticulture)
221 Seasons and Calendars
222 Pruning. Cutting
223 Grafting and Budding
224 **Flower Gardens** (Garden Plants)
225 **Fruit Gardens**
226 **Market and Kitchen Gardens**
227 Vegetables
228 Nurseries
229 **Landscape Gardening**
230 Formal Gardens
231 Topiary Work
232 Arbours
233 Pergolas
234 Mazes. Labyrinths
235 Ha-has
236 Garden Houses. Bowers
237 Rock Gardens. Grottos
238 Public Parks
239 Public Gardens. Lawns
240 Avenues. Drives
242 **Conservatories**
243 Greenhouses

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245 **Gardeners**
246 **Greengrocery & Fruit Trades**
250 **Forestry** (Arboriculture)
251 Woods and Forests, Departments or Boards
252 Afforestation
253 Deforestation
254 Forests and Woods
260 Timbers
261 Lumber Trade
262 Charcoal
263 Charcoal Burning
265 Foresters
300 **Woodworking**
301 Sawmills
310 Carpentry and Joinery
311 Carpentry
312 Joinery
313 Panelling
314 Pattern-making
320 **Furniture.** *See also* B430 Domestic Architecture
321 Furnishing of Houses
322 Cabinet-making
323 Cabinets
324 Sideboards
325 Desks
326 Chests. Trunks
327 Other varieties
328 Inlaid Wood-work
329 Buhl
330 Marquetery
331 Veneering
332 Woodcarving
333 Fretwork
334 Chair-making
335 Tables
336 Upholstery
337 Sofas. Couches
340 Beds and Bedding
341 Curtains and Hangings. *See* A693–5 Mural Decoration
342 Shelving. Book, etc.
345 Picture Framing
347 **Box-making**
350 **Cooperages.** Coopers
351 Barrels
352 Tubs

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360 **Wood Pulp**
361 Celluloid (Xylonite)
370 **Basket-making**
375 Straw Plaiting
400 **Textile Manufactures**
401 **Spinning**
402 Spinning Wheels
403 Thread
404 **Weaving**
405 Hand Looms
406 Jacquard Looms
410 **Cotton Manufacture**
411 Yarns
412 Muslin
413 Flannelette
414 Velveteen
415 Calico Printing
416 Manchester Goods
420 **Linen**
421 Damask
422 **Jute**
425 **Hemp Manufacture**
426 Rope and Twine (Cordage)
427 Knots and Splices
428 Other Vegetable Fibres
430 **Woollen Manufacture**
431 Wools
432 Wool-sorting
433 Wool-carding
435 Worsteds
436 Hosiery
437 Felt
438 Shoddy. Mungo
439 Tartans
440 Waste and Rag Merchants
441 **Mixed Fabrics**
442 Poplin
443 Taffeta
444 Other Mixtures
450 **Carpets and Rugs**
451 Brussels
452 Turkish
453 Persian
454 Wilton
455 Axminster
456 Other varieties
460 **Silk Manufacture**
461 Velvet
462 Plush

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463 Satin
465 **Lace**
466 Hand-made Laces
467 Machine-made Laces
470 **Dyeing**
471 Dyes
472 Turkey Red Dyeing
473 Dry Cleaning
475 Bleaching
500 **Clothing Trades**
501 Clothing
502 Clothiers
503 Cloth Merchants. Mercers
510 **Drapery**
511 Underclothing. Collars.
512 Gloves [Ties
513 Baby Linen (Layettes)
514 Corsets and Corset Making
520 Millinery
521 Haberdashery. Trimmings
522 Artificial Flowers
523 Buttons
524 Beads
525 Head Dresses and Head Gear. *See also* I652 Crowns
526 Hatters. Hats
530 Tailors and Tailoring
540 **Needlework**
541 Handsewing
542 Embroidery
543 Tambouring
544 Samplers
545 Sewing Machinery
546 Knitting
547 Crochet
548 Netting
549 Tatting
550 Crewel Work
551 Other Varieties
560 Dressmaking
561 Cutting-out and Shaping
562 Mending
600 **Costume, General**
601 National Costume (*Divide by National Nos.*)
602 Historical Costume
603 Fancy Costume (Liveries. Uniforms)

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604 Fashions in Dress
605 Crinolines, Farthingales, Hoops
606 Sumptuary Laws
607 Rational Dress (Dress Reform)
610 Umbrellas
615 Canes and Walking Sticks
650 **Jewellery** and Ornaments
651 Regalia
652 Crowns and Coronets. *See also* I525 Head Dresses
653 Insignia
654 Rings. Finger-rings
655 Bracelets. Armlets
656 Girdles. Belts
657 Necklaces
658 Earrings
659 Fans
660 Ornaments of Savage Races
700 **Vegetable and Animal Products, General**
701 **India-Rubber Manufacture**
702 Rubbers
703 Vulcanite
704 Waterproofing
705 Gutta-Percha
710 **Tobacco Manufacture**
711 Tobaccos. *See also* E891 Tobacco Plant
712 Cigars and Cigarettes
713 Pipes
714 Smoking
715 Snuff and Snuffing
716 Snuff Boxes
720 **Fisheries**
721 Fish Culture (Pisciculture)
722 Net Fishing
723 Trawling
724 Fish Curing
725 Fishmonger Trade
726 Fishermen
730 **Angling**
731 Fishing, General
732 Fly Fishing
733 Rod Fishing (Coarse Fish)
734 Trolling
735 Fishing Tackle

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736 Bait
737 Hooks
738 Rods
739 Lines
740 Flies
741 Sea Fishing
745 River & Fresh-water Angling
750 **Leather Manufacture**
751 Peltry Trade (Skins. Hides)
752 Fur and Fur Trades
753 Tanning
754 Leathers
755 Leather Goods
756 Purses
757 Bags
758 Other Varieties
760 **Boot and Shoe-Making**
761 Sandals
762 Hand-sewn Boots and Shoes
763 Machine-made Boots and Shoes
764 Clogs (Sabots)
765 Boot Blacks
766 Blacking
770 **Saddlery**
771 Harness Making
772 Spurs, Bits, etc.
780 **Ivory and Ivories**
781 Ivory Carving
782 Ivory Trade
783 Bone Manufacture
790 **Brush and Comb-Making**
791 Brushes
792 Combs
800 **Foods and Food Production**
801 **Dietetics**
802 Vegetarianism
803 Fruitarianism
810 **Beverages**
811 Drink mixing
812 Toasts
820 **Brewing**
821 Malt and Malting. *See also* E465 Hops
822 Ales
823 Lager Beers
824 Beers and Stout
826 Other Beverages

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827 Home Brewing
828 Breweries
830 **Distilling**
831 Alcoholometry
832 Brandy
833 Gin
834 Rum
835 Whisky
836 Vodká
837 Other Spirits
838 **Liqueurs,** Cordials, Bitters
839 Absinth
840 Anisette
841 Benedictine
842 Chartreuse
843 Curaçoa
844 Kirschwasser
845 Kümmel
846 Maraschino
848 Ratafia
849 Vermouth
850 Still Room Manuals
855 **Distilleries**
856 Illicit Stills
860 **Wine-Making** (Œnology)
861 Burgundies
862 Champagnes
863 Clarets
864 Hocks and Moselles
865 Madeiras
866 Ports
867 Sherries
868 Tokay
869 Vinegar
870 Cider
871 Perry
872 Fruit Wines
873 **Aerated Waters**
874 **Natural Mineral Waters**
875 **Liquor Trade**
876 Blending
877 Public Houses
878 Taverns. Brasseries. Estaminets
879 Licensing (Shebeens)
880 Condiments. Sauces
881 Food Preservation
882 Canned and Bottled Foods. Pickles

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883 Dried Foods
884 Food Substitutes
885 **Sugar.** *See also* I920 Confectionery. E348 Sugar Cane
890 **Grocery Trade**
891 Provision Trade
892 **Meat Trade**
893 Butchers
894 Poulterers
895 Abattoirs. Slaughter-Houses
900 **Gastronomy**
901 Dining
902 Menus
903 Breakfasts
904 Luncheons
905 Teas
906 Dinners
907 Suppers
908 Table Decorations
910 **Cookery**
911 Soups
912 Fish (Maigre Cookery)
913 Joints
914 Entrées
915 Dessert. Salads
916 Carving
917 Cooks
918 Kitchen Utensils
920 **Confectionery.** *See also* I885 Sugar
921 Sweetmeats
922 Puddings. Sweets. Pastry
923 Ices
925 Jams and Jellies
930 **Baking**
931 Bakehouses
932 Bread Making
933 Biscuits
934 Hot-plate Baking
935 Cakes. Scones, etc.
936 Bakers and Confectionery Trades
940 **Domestic Economy**
941 **Housekeeping**
942 Housekeepers
943 House Cleaning (House-Dusting)

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950 **Laundry Work**
951 Laundrymaids
952 Washing and Cleaning. Ironing
953 Mangles and Mangling
960 **Servants**
961 Servants' Registries
962 Butlers
963 Footmen
964 Housemaids
965 Ladies' maids
966 Valets
968 Others
970 **Clubs**
980 **Hotels**
981 Inns
982 Flats
983 Common Lodging-Houses
984 Restaurants
985 Coffee Houses. Cafés
986 Coffee Stalls
990 Waiters and Waitresses

J K—PHILOSOPHY AND RELIGION

J

000 **PHILOSOPHY AND RELIGION** (together)
001 **Metaphysics** (Intellectual Philosophy)
002 **Ontology**
003 Reality
004 **Cosmology**
005 Creation
006 Nature
007 **Teleology** (Final Causes)
008 **Knowledge**
009 Epistemology
010 Consciousness (Psychophysics)
011 Cause and Effect
012 Necessity
013 Opinion
014 Authority
015 Perception
100 **Æsthetics** (Taste)
101 Beauty
102 Ugliness
103 Sublime

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104	Fashion
105	Convention
106	Style
107	Classicism
108	Romanticism
109	Naturalism
110	Picturesque
111	Idealism (Nominalism)
112	Realism
113	Impressionism
114	Vulgarity
115	Comic
116	Commonplace (Mediocrity)
117	Other Phases
150	**Psychology** (Pneumatology)
151	Mind and Body. *See also* G547 Mind and Disease
152	Understanding. Intellect
153	Thought
154	Soul, General
155	Origin of Soul
156	Transmigrations of Soul (Metempsychosis)
157	Re-incarnation
158	Sensation
159	Attention
160	Abstraction
161	Imitation
162	Memory
163	Mnemonics
164	Ideas
165	Imagination
166	Wonder
167	Emotions
168	Sentiments
169	Will
170	Volition
200	**Ethics** (Moral Philosophy)
201	Goodness
202	Right
203	Wrong
204	Evil
205	Intention
206	Desires
207	Altruism

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208	Egoism (Selfishness)
209	Intuition (Intuitionalism)
210	Conscience
211	Casuistry
212	Happiness
213	Hedonism
214	Pleasure
215	Perfection
216	**Conduct of Life (Minor Morals)**
217	Etiquette
218	Salutations. Greetings
219	Kissing
220	Other Phases
221	**Passions**
222	Affections. *See also* G055 Love
223	Friendship
224	Kindness
225	Hate
226	Anger
227	Fear. Cowardice
228	Incontinence. Lust
229	Jealousy
230	Revenge
231	Envy (Covetousness)
232	Avarice
233	Greed
234	**Vices**
235	Pride
236	Vanity
237	Obstinacy
238	Sullenness. Sulks
239	Cruelty
240	Lying (Untruthfulness)
241	Deceit
242	Boasting
243	Scandal. Gossip. Curiosity
244	Scolding
245	Blasphemy. *See also* L561 Profane Oaths
246	Dishonesty. Cheating
247	Disobedience
248	Folly
249	Other Vices
250	**Virtues**
251	Honour
252	Glory. Fame

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53 Truth (Truthfulness)
54 Honesty
55 Duty
56 Bravery (Courage. Heroism)
57 Gratitude
58 Gallantry
59 Courtesy (Politeness)
60 Cheerfulness
61 Enthusiasm
62 Faith (General). Credulity
63 Hope
64 Charity [ity
65 Philanthropy. Human-
66 Benevolence. Mercy
67 Hospitality
68 Generosity
69 Wisdom
70 Justice
71 Prudence. Caution
73 Patience
74 Innocence
75 Modesty
76 Chastity (Virginity)
77 Humility
78 Piety
79 Other Virtues
Other Ethical Topics—
80 Toleration
81 Fanaticism
82 Apostacy
83 Ridicule
84 Flattery
85 Bereavement
86 Affliction
87 Sorrow (Sadness). *See also* G780 Melancholia
88 Solitude
89 Consolation
90 Sympathy
91 Pity
92 Peace (Peace and War)
93 Social Ostracism. "Boycotting"

00 **PHILOSOPHY**
01 **Ancient** (*Divide by*
02 **Oriental** *National Nos.*).

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303 **Hindu**
304 Dars'ana
305 Nyaya
306 Vaisheshika
307 Sankhya
308 Yoga
309 Purvamimarisa
310 Uttaramimarisa
311 **Greek Philosophy**
312 Ionic School
313 Pythagorean School
314 Eleatic School
315 Heraclitus
316 Atomists
317 Sophists
318 Socrates
319 Cynics
320 Democritus
321 Plato
322 Aristotle
323 Peripatetics
324 Stoics
325 Epicureans
326 Skeptics
327 Neo-Pythagorean
328 Neo-Platonism (Plotinus)
329 Eclecticism
331 **Scholasticism** (Platonic)
332 (Aristotelian)
333 **Humanists**
334 **Natural Science Period**
335 Bacon
336 Hobbes
337 Descartes
338 Spinoza
339 Leibnitz
340 **Mystics**
341 Boehme
342 Paracelsus
343 Cornelius Agrippa
344 Servetus
350 **Modern Philosophy** (*Divide by National Nos.*)
Great Modern Philosophers—
351 Locke
352 Berkeley
353 Reid

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354 Hume
355 Kant
356 Fichte
357 Hegel
358 Schelling
359 Schopenhauer
360 Cousin
361 Comte
362 Lotze
363 Spencer
364 Nietzsche
Forms of Philosophy—
370 Spiritual Philosophy (Spiritualism)
371 Transcendentalism
372 Sensationalism
373 Empiricism
375 Optimism
376 Pessimism
377 Fatalism (Fate. Destiny. Kismet)
378 Monism
379 Material Philosophy (Materialism)
380 Positivism
381 Utilitarianism
382 Other Forms

400 **THEOLOGY (DIVINITY, Natural Theology.)**
At this heading are to be assembled all general works on the idea of a God or Supreme Being. Special forms of belief in a God and his attributes are to be placed at the special religions or churches with which they are particularly associated, as Christianity, Buddhism, etc.
401 **Idea of a God**
402 Man (In relationship to a God)
403 Apologetics. Evidences
404 Salvation
405 Faith. Belief

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406 Sin
407 Predestination
408 Immortality
410 **Eschatology** (Future State)
411 Heavens. Paradises
412 Angels
413 Rewards
414 Purgatories. Limbos
415 Hells
416 Devils. Evil Spirits
417 Eternal Punishments
420 **Theism**
421 Deism
422 Monotheism
425 **Pantheism**
426 **Theosophy**
427 **Atheism**
428 **Agnosticism**
429 **Secularism**
430 **Rationalism**
431 **Polytheism**
432 **Religion and Science**

450 **RELIGION**
451 **Comparative** Religion
452 **Universal** —
453 **Primitive** Religions
454 Nature Worship
455 Sabæism
456 Plant and Animal Worship
457 Serpent Worship
458 Worship of the Dead
459 Ancestor Worship
460 Sin Eating
461 Phallic Worship
462 Spirit Worship
463 Fetishism
464 Totemism
465 Sacrifices
470 **National Religions** (Other than those already provided for) *Divide by National Nos.*
500 **Mythology** (*Divide by National or Language Nos.*)
501 Paganism
502 Idolatry

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03 Druids
04 Mysteries
05 Eleusinian Mysteries
20 **Folk-Lore and Occult Science**
21 Folk-Lore (Tradition)
22 Superstition
23 Charms (Amulets)
24 Talismans
Cauls. *See* H170
26 Spells
27 Philtres
30 Demonology
31 Devil Possession
32 Exorcism
33 Devil Worship
35 Witchcraft
36 Evil Eye
37 Leechcraft
40 Fortune Telling (Divination)
41 Card Methods
42 Crystal Gazing
43 Cheiromancy (Palmistry)
44 Other Methods
45 Divining Rod
46 Second Sight
50 Prophecies
51 Oracles
52 Omens (Auguries)
53 Sorcery (Black Magic)
54 Necromancy
55 Incantations
56 Invisibility
57 Seven-leagued boots
58 Other Magical Items
60 Fairies. Genii, etc.
61 Goblins
62 Elves
63 Brownies
64 Water-Kelpies
65 Mermaids. *See also* F886 Manatee
66 Lorelei
Fairy Tales. *See* N005
70 Monsters. Ogres
See also G365 Teratology
71 Dragons
72 Unicorns

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573 Were Wolves
574 Phantom Ships
580 **Occult Science, General**
590 **Psychical Research**
591 Ghosts. Apparitions (Spectres)
593 Haunted Houses
595 Spiritualism (Spiritism)
See also J554 Necromancy
600 **Church Doctrine, Government and Institutions**
(*This heading and the following Topics are for General Works only. The same Topics appear in the Categorical Table, and the Categorical Nos. must be used when marking books on the Doctrine, Government and Institutions of Separate Churches*)
601 **Sacred Books**
602 **Doctrines** (Dogma)
603 Creeds
604 Catechisms
605 Confessions of Faith
606 Articles of Faith
610 **Ritual** (*Rites, Ceremonies and Forms of Public Worship*)
611 Church Services
612 Public Worship
613 **Sacraments**
614 Baptism (Pædobaptism, etc.)
615 Eucharist (Lord's Supper. Mass)
616 Missals
617 Communion
618 Confirmation
619 Church Membership
620 Penance
621 Pilgrimages
622 Pilgrims
623 Confession (Auricular Confession)

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624	Seal of Confession
625	Absolution
626	Indulgences
627	Extreme Unction (Viaticum)
628	Excommunication
629	Family and Private Worship
630	**Liturgies**
631	Breviaries
632	Horæ (Books of Hours)
633	Prayer. Litanies
634	Collects
635	Rosaries. Holy Water
636	Praying Wheels
637	Private and Family Prayers
638	Graces
640	**Hymnology**
641	Psalmody
642	Chants
650	**Homiletics**
651	Preaching
652	Lay Preaching
653	Sermons (Addresses. Charges)
700	**Fasts, Feasts, Festivals** (Holidays)
701	New Year
702	New Year Cards
703	Epiphany (Theophany)
704	Purification of Virgin Mary (Candlemas)
705	Shrovetide
706	St. Valentine's Day
707	Valentines
708	Ash Wednesday
709	Lent
710	Ember Days
711	Annunciation
712	Palm Sunday
713	All Fool's Day
714	Good Friday
715	Easter
716	Easter Cards, etc.
717	Holy Pasch
718	Passover
719	Ascension
720	Pentecost

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721	Feast of Tabernacles
722	Lammas
723	Whitsuntide
724	Trinity Sunday
725	Transfiguration
726	All Saints' Day (All-Hallows. Halloween)
727	Advent
728	Hanucah
729	Christmas Eve
730	Christmas (Yule-tide)
731	Christmas Cards
732	Tebeth
733	Hogmanay (New Year's Eve)
750	**Saints Days, General**
751	Secular Holidays (*Divide nationally*)
752	Bank Holidays
760	Sabbath, General (Sunday)
761	Christian Sabbath
762	Lord's Day Observance
763	Jewish Sabbath
764	Sacrilege
800	**Church Government and Polity** (*This heading is for General Works only. The different Churches will receive all necessary qualifying marks from the Categorical Table*)
810	**State Control and Connection** (Church and State)
811	Disestablishment
812	**Canon Law**
813	Ecclesiastical (Consistory) Courts
814	Court of Arches
820	**Councils**
821	Synods
822	Presbyteries
823	Conventions and Assemblies
830	**Episcopal Sees** (Prelacy, Episcopacy)
831	Dioceses
832	Congregations
840	**Church Property**
841	Endowments
842	Disendowment

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43 Tithes
44 Glebes
45 Teinds
46 Rates
47 Pew Rents
48 Church Collections and Offerings

50 **Ecclesiastical Buildings**
51 Cathedrals
52 Churches
53 Chapels
54 Orientation
55 Temples. Tabernacles
56 Synagogues
57 Mosques
58 Monasteries
59 Abbeys
60 Priories
61 Convents (Nunneries)
62 Cells
63 Other Buildings
64 Consecration
65 Dedication

70 **Church Work**
71 Revivals
72 Evangelistic Work
73 Sunday Schools
74 Bible Classes
75 Prayer Meetings
76 Proselytism
80 Missions
81 Home Missions
82 Foreign Missions
85 Missionaries. Colporteurs

90 **Priesthood**
91 Clerical Office or Profession
92 Clerical Orders
93 Sacerdotalism
94 Benefices
95 Church Patronage
96 Simony
97 Stipends
98 Ordination

00 **Clerical Officers**
01 Priests
02 Secular Clergy—
03 Cardinals

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904 Archbishops
905 Bishops
906 Patriarchs
907 Deans
908 Archdeacons
909 Canons
910 Minor Canons
911 Ministers (Vicars. Parsons. Curés)
912 Rectors
913 Curates
914 Probationers (Deacons)
915 Mullahs
916 Fakirs
917 Dervishes
918 Other Secular Clergy
920 Regular Clergy—
921 Abbots
922 Abbesses
923 Priors
924 Prioresses
925 Monks
926 Friars
927 Nuns
928 Other Regular Clergy

930 **Lay Officers**
931 Elders
932 Lay Deacons
933 Churchwardens
934 Sidesmen
935 Precentors (Choirmasters)
936 Lay Vicars
937 Beadles. Church Officers. Sacristan
938 Sextons
939 Vergers
940 Other Lay Officers
941 Laity

950 **Benefit of Clergy** (Privilegium Clericale)
951 Sanctuary

960 **Ecclesiology**
961 Vestments
962 Ornaments
963 Vessels
970 Symbols and Emblems
971 Cross
972 Iconography
980 Relics

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000 **Churches and Sects**
(*The whole of the following Churches and Sects are to be subdivided by the numbers of the Categorical Table relating to Church Doctrine, Government, etc.*)
001 **Semitic Religions** (*Divide by Language Nos.*)
002 **Judaism**
003 Talmuds
004 Kabala
005 Rabbinism
006 Samaritans
007 Essenes
008 Lost Tribes of Israel
009 British Israelites
010 Zionism
020 **Brahminism** (Hinduism)
021 Brahma. Vishnu. Siva
022 Vedas
023 Rigveda
024 Samaveda
025 Yagurveda
026 Atharaveda
027 Sutras of the Vedas
028 Bramanas of the Vedas
029 Upanishads
030 Purâna
031 Bramo-Somaj
040 **Buddhism**
041 Buddha
042 Jainism
050 **Confucianism**
051 Confucius
052 Lao-Tze
053 Mencius
054 Taoism
055 **Shintoism**
060 **Zoroastrianism** (Fireworship-[pers)
061 Rosicrucians
062 Parseeism
063 Zend Avesta
070 Mohammedanism (Islamism. Moslemism)
072 Koran
080 Other Non-Christian Churches

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090 **Non-Christian Religions,** General
100 **Christian Religions,** General
101 **Christianity**
110 **Bible**
111 **Bible Texts** (whole)
112 Codices
113 Manuscripts
114 **Printed Texts** (whole)
115 Selections and Parts
116 Polyglots (whole)
120 **Old Testament** (whole)
121 Selections & Parts
122 Polyglots
123 **Octateuch** (First 8 books of Old Testament)
124 **Pentateuch** (First 5 books)
125 Genesis
126 Mosaic Cosmogeny
127 Garden of Eden. Adam and Eve
128 Deluge (Flood)
129 Noah's Ark
130 Exodus
131 Decalogue (Ten Commandments)
132 Leviticus
133 Numbers
134 Deuteronomy
135 **Historical Books**
136 Joshua
137 Judges
138 Ruth
139 Samuel
140 Kings
141 Chronicles
142 Ezra
143 Nehemiah
144 Esther
145 **Poetical Books**
146 Job
147 Psalms
148 Metrical Versions of Psalms
149 Proverbs
150 Ecclesiastes
151 Song of Solomon (Can-[ticles)
152 **Prophetical Books**
153 Isaiah

Divide by Language Nos.

Divide by Language Nos.

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154 Jeremiah
155 Lamentations
156 Ezekiel
157 Daniel
158 Hosea
159 Joel
160 Amos
161 Obadiah
162 Jonah
163 Micah
164 Nahum
165 Habakkuk
166 Zephaniah
167 Haggai
168 Zechariah
169 Malachi
170 Minor Prophets (together)
200 **New Testament** (whole) (*Divide by Language Nos.*)
201 Selections and Parts
202 Polyglots
203 **Gospels**
204 Sermon on the Mount
205 Lord's Prayer
206 Parables
207 Matthew
208 Mark
209 Luke
210 John
211 **Acts of the Apostles**
212 **Epistles, General**
213 Pauline Epistles
214 Romans
215 Corinthians, 1–2
216 Galatians
217 Ephesians
218 Philippians
219 Colossians
220 Thessalonians
221 Timothy
222 Titus
223 Philemon
224 Hebrews
225 **Pastoral Epistles**
226 James
227 Peter
228 John

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229 Jude
230 Revelation (Apocalypse)
240 **Lost Books of the Bible**
241 **Apocrypha**
242 Esdras
243 Tobit
244 Judith
245 Esther
246 Book of Wisdom
247 Ecclesiasticus
248 Baruch
249 Epistle of Jeremy
250 Song of the Three Children
251 Story of Susanna
252 History of Bel and the Dragon
253 Prayer of Manasseh
254 Maccabees
255 Book of Enoch
260 **Pseudepigrapha**
261 Apocryphal Gospels
262 Apocryphal Acts of the Apostles
263 Apocryphal Apocalypses
270 **Biblical Criticism**
271 Textual
272 Revision
273 Canon
274 Evidences. Authenticity
275 Inspiration
276 Prophecy
277 Miracles
280 **Biblical Exegesis**
281 Hermeneutics (Interpretation)
282 Typology
283 Paraphrases
290 **Biblical Analysis**
291 Bible Characters, General
292 Groups
293 Individual (*Divide by Biographical Nos.*)
300 **Christology**
301 Lives of Jesus Christ
302 Portraits of Christ
303 Divinity of Christ
304 Incarnation
305 Titles and Names
306 Holy Grail

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307 Ministry
308 Kenotic Theory
309 Atonement
310 Passion (Sacrifice)
311 Resurrection
312 Ascension
313 Millennium (Second Advent)
314 Virgin Mary
315 Immaculate Conception
316 Mariolatry
320 **Christian Theology**
321 Apologetics. Evidences
322 Christian Dogma
323 Science and Christianity
324 **God**
325 Attributes
326 Works
327 Trinity
328 Holy Spirit
Creation. *See* J005 Metaphysics, and K125–26 Genesis
330 **Man,** Original State
331 Fall of Man
332 Sin
333 Original Sin
See also K127 Garden of Eden
334 Unpardonable Sin
335 Free Will
340 **Salvation** (Soteriology)
341 Grace
342 Faith (Belief)
343 Works
344 Redemption
345 Repentance
346 Regeneration
347 Obedience
348 Justification
349 Sanctification (Holiness)
350 **Predestination**
351 Election
360 **Eschatology** (Future State)
361 Heaven (Paradise)
362 Angels
363 Purgatory
364 Hell (Hades. Sheol)
365 Devil (Lucifer. Satan)

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366 Eternal Punishment
367 Day of Judgment
368 Immortality
369 Eternity
370 **Antichristianity**
380 **Unity of Christianity**
381 Reunion of Christians
400 **Christian Churches and Sects**
401 **Primitive (Early Christian) Church**
402 Persecutions
403 Martyrology
404 Saints (Hagiology)
405 Beatification. Canonization
406 **Apostles** (Disciples)
407 Apostolic Succession
408 **Apostolic Fathers**
409 **Patristics** (Fathers generally)
410 Fathers of the Church. Individual
(*Arrange alphabetically or chronologically*)
411 **Early Heresies and Beliefs**
412 Gnostics
413 Manichæans
414 Sabellians
415 Trinitarians
416 Arians
417 Pelagians
418 Nestorians
419 Donatists
420 Appolinarians
421 Albigenses
422 Other Heresies
430 **Eastern (Greek) Church**
431 Nicene Creed
432 Seven Churches of Asia
433 Patriarchate of Constantinople
434 Antioch
435 Maronites
436 Alexandria
437 Coptic (Jacobite) Church
438 Jerusalem
439 Cyprus
440 Greece
441 Montenegro

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442 Rumania
443 Austria
445 Russia
446 Uniat Schism
447 Armenian Church
448 Ethiopic (Abyssinian) Church
449 Servian Church
450 Georgian Church
460 **Councils of Catholic Churches**
461 Œcumenical Councils
462 Nice (Nicæa) I., 325 A.D.
463 Constantinople I. 381
464 Ephesus, 431
465 Chalcedon, 451
466 Constantinople II. 553
467 Constantinople III. 680
468 Nice II., 787
470 General Councils
471 Constantinople IV. 869-879
472 Lateran (Rome) I. 1122
473 — — II. 1139
474 — — III. 1179
475 — — IV. 1215
476 Lyon I., 1245
477 — II., 1274
478 Vienne, 1311
479 Constance, 1414–18
480 Basle, 1431
481 Lateran V. 1512–18
482 Trent, 1542–51
483 Vatican, 1869
484 Minor Councils
500 **Monachism**
501 Asceticism
502 Hermits. Recluses. Devotees
510 **Monastic Orders of the Catholic Churches**
511 Benedictines, 529
512 Cluniacs, 912
513 Carthusians, 1080
514 Cistercians, 1098
515 Præmonstratensians (White Canons), 1120
516 Gilbertines, 1131
517 Trappists, 1140
518 Carmelites (White Friars), 1156

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519 Dominicans (Black Friars), 1170
520 Franciscans (Grey Friars), 1209
521 Augustinians (Austin Friars), 1256
522 Capuchins, 1525
523 Christian Brothers, 1525
524 Lazarists, 1624
525 Sulpicians, 1642
526 Passionists, 1720
527 Redemptorists, 1732
528 Culdees
529 Other Catholic Monastic Orders
540 **Sisterhoods of the Catholic Churches**
541 Carmelite Nuns
542 Franciscan Nuns
543 Ursuline Nuns
544 Sisters of Charity (St. Vincent de Paul)
545 Sisters of Mercy
546 Little Sisters of the Poor
547 Other Sisterhoods
560 **Non-Catholic Monastic Orders or Brotherhoods**
561 Anglican Brotherhoods
562 — Sisterhoods
570 Monastic Communities
600 **Latin Christianity**
601 **Roman Catholic (Western) Church**
602 Athanasian Creed
603 Apostles' Creed
610 Papacy (Supreme Pontiff. Pope). *See also* Q651 Popes
611 College of Cardinals
612 Partriarchates
613 Sacred Congregation
620 Inquisition (Holy Office)
625 Flagellants
630 Old Catholics
635 Jesuits
640 Jansenites
645 Molinists
650 **Gallican Church** (Catholic)
655 Ultramontanism
656 Quietists

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660 **Anglican Church** (Catholic)
670 **Roman Catholic Churches** (*Divide by National Nos.*)
Reformation. *See* History
700 **Protestantism** (*Divide by National Nos.*)
701 **Protestant Churches. Councils,** General
712 **Waldenses,** 12th century
713 **Wycliffites,** 14th century
714 Lollards
715 Gospellers
716 **Hussites** (Bethlemites), 1403
720 **Lutheran Church,** 1517 (*Divide by National Nos.*)
721 Abecedarians, 1521
722 Pietists, 1650
725 **United Brethren (Moravians),** 1722
726 **Zwinglism,** 1519
730 **Calvinists,** 1529
731 Labadists, 1650
735 **Huguenots,** 1560
736 **Socinians,** 1546
740 **Unitarians**
745 **Arminians** [formed)
750 **Church of England** (Re-
751 Ecclesiastical Commissioners
752 Queen Anne's Bounty
753 Articles, General
754 Ten Articles
755 Forty-two Articles
756 Eleven Articles
757 Thirty-nine Articles
758 High Church
760 Ritualists
761 Puseyites
762 Tractarians (Oxford Movement)
765 Broad Church (Latitudinarians)
766 Low Church
770 **Episcopal Church of Scotland**
780 **Church of Ireland** (Protestant Episcopal)

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785 **Protestant Episcopal Ch.** (U. S.)
800 **Nonconformity** (Dissenters)
801 **Puritans**
802 Seventh-Day Baptists (Sabbatarians)
803 Fifth Monarchy Men
804 Muggletonians
805 **Anabaptists**
806 **Independents,** 1580
810 **Congregational Church**
811 Congregational Union
815 **Society of Friends** (Quakers), 1646
816 Hicksites, 1828
820 **Baptist Churches**
821 General Baptists, 1660
822 New Connection General Baptists, 1661
823 Particular Baptists
824 Baptist Union
825 Free Baptist Church
826 Other Baptist Churches
827 Mennonites (Dutch Baptists), 16th century
828 Dunkers (1724)
830 **Methodist Churches** (Methodism)
831 Wesleyan Methodists, 1729
832 American Church
833 Calvinistic Methodists (Whitfield), 1741
834 Welsh Calvinistic Methodists
835 Methodist New Connection, 1797
836 Primitive Methodists, 1812
837 American Church
838 Bible Christians, 1815
839 Wesleyan Reform Union, 1849
840 Independent Methodists
841 Methodist Episcopal Church in America, 1766
842 Methodist Protestant Church, 1830

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843	African Methodist Episcopal Church, 1816
844	African Methodist Episcopal Zion Church, 1796
845	Evangelical Association
846	Free Methodist Church
847	Other Methodist Churches
850	Methodist Reunion
900	**Presbyterian Churches**
901	**Church of Scotland**
902	Westminster Confession of Faith
903	**Reformed Presbyterian Church** (Cameronians) 1680
904	**Secession Church** (Associate Presbytery), 1733
905	Associate Synod (Burghers), 1747
906	General Associate Synod (Anti-Burghers), 1747
907	United Secession Ch. (New Light Burghers and Anti-Burghers), 1820-47
908	Original Secession Ch. (Old Lights), 1842
910	**Relief Church,** 1761-1847
911	**United Presbyterian** Church of Scotland, 1847–1900
912	**Free Church** of Scotland, 1843
913	**United Free Church** of Scotland, 1900
915	**Evangelical Union** (Morisonians), 1841
916	**Sandemanians** (Glassites), 1730
920	**Presbyterian Church of England**
925	**Presbyterian Church of Ireland**
930	**Presbyterian Church of America**

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931	**Cumberland Presbyterian Church**
935	**Helvetian (Swiss) Church**
940	Other Presbyterian Churches
	Miscellaneous Protestant Churches and Associations
950	Advent Christian Ch.
951	Catholic Apostolic Ch. (Irvingites)
952	Christian Endeavour, Young People's Society of
953	Christian Scientists (Faith Healers)
954	Churches of Christ
955	Church of Jesus Christ of Latter-day Saints (Mormons)
956	Countess of Huntingdon's Connection
957	Disciples of Christ (Campbellites)
958	Dutch Reformed Church
959	Doppers (Separatist Dutch Reformed Church)
960	Evangelical Alliance
961	Free Church of England
962	German Evangelical Ch.
963	Lampeter Brethren (Princites or Agapemonites. Abode of Love)
964	New Jerusalem Church (Swedenborgians)
965	Perfectionists
966	Plymouth Brethren
967	Reformed Episcopal Ch.
968	Salvation Army
969	Shakers
970	Peculiar People. *See also* G546 Faith Healing
971	Swedish Evangelical Mission
972	Universalist Church

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980 **Religious Associations, General**
981 Young Men's Christian Association, U.K.
982 Y.M.C.A., U.S.
983 Young Women's Christian Association, U.K.
990 **Miscellaneous Churches and Sects**

L—SOCIAL AND POLITICAL SCIENCE.

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000 **Social Science**
001 **Primitive Society**
002 **The Family**
003 Nomadic Life. *See also* L077
004 Domestic Life
005 The Home
006 **Tribal and other Organizations**
010 **Manners and Customs**
011 National (*Divide by National or Lang. Nos.*) (*Customs connected with subjects go at subjects, with "Customs" number from Categorical Table*)
020 **The People.** The Public
021 Liberty (Civil, Personal, etc.)
022 Civic Rights
023 Citizenship
024 Burgesses. Freedom of [Cities
025 Nationality
026 Naturalization
027 Aliens
028 Freedom of Speech
029 Public Opinion
030 Petitions
031 Public Meetings
032 Procedure
033 Chairmanship
034 Rules of Debate (Standing Orders)
035 Motions and Resolutions
036 Amendments

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040 **Population**
041 Census Taking
042 Malthusianism
043 Neo-Malthusianism
044 Movements and Progress
045 General Register Offices (*Divide by National Nos.*)
046 Registrars
047 Births
048 Stillborn Children
049 Deaths. Mortality Tables
050 Marriages
060 **Housing**
061 Town Problems
062 Town Life
063 Country Problems
064 Country Life
065 Rural Depopulation
066 Suburban Life
067 Garden Cities
068 Other Aspects
070 **Poor and Poverty**
071 Pauperism
072 Boarding Out
073 Outdoor Relief
074 Workhouses (Poorhouses)
075 Poor Law Guardians
076 Mendicancy. Beggars
077 Vagabondage. Tramps. Vagrancy. *See also* L003
080 **Charities**
081 Alms. Almshouses
082 Charity Commissioners or Boards
083 **Emigration**
084 Pauper Immigrants
085 Undesirable Immigrants
086 Immigration, General
087 Colonization
090 **Social Organizations**
091 Social Work
092 Slumming. Poor District Visiting
100 **Political Economy** (Economics)
101 Wealth

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102 Production
103 Consumption
104 Luxury
105 Leisure
106 **Labour** (Work)
107 Apprenticeship
108 Workmen
109 Labourers
110 Shop Assistants
111 "Living in" System
112 Hours of work
113 Sweating
114 Machinery and Wages
115 Truck System
116 Strikes
117 Profit Sharing
118 **Unemployment**
120 **Factory System**
121 Factories
122 Division of Labour
123 Piece Work
124 Dangerous Trades
125 Employers' Liability
130 **Professions**
131 **Employments.** Occupations
132 Law of Master and Servant
133 **Organization.** Planning
134 Committees. Boards. Managers
135 **Administration.** Management
136 Business Methods (Success)
137 Responsibility
138 Officers
139 Specialization (Consul-
140 Staff [tants)
141 Sinecures
142 Nepotism (Favouritism)
143 Plural Offices
144 Officialdom. "Red Tape." Bureaucracy
145 **Salaries.** Pay. Fees. Wages
146 **Rules.** Regulations. Bye-laws
147 Inspection. Inspectors
See also A140 Certificates, etc.
150 **Slavery**
151 Feudal Serfdom
152 Villeinage

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153 Slave Trade
154 Enforced Labour
155 **Convict Labour**
156 **Pauper Labour**
157 Coolie Labour
158 Labour Colonies
159 **Trade Unions** (Workmen)
160 Trade Unions (Employers) (*Separate Unions go at Trades*)
161 Combinations
162 **Co-operation**
170 **Friendly Societies** (*Arrange by National Nos. and Titles*)
171 Building Societies
172 Sick Benefit Clubs
173 Slate Clubs (Dividing Societies)
174 Other Friendly Societies
180 **Secret Societies** (*Arrange by National Nos. and titles*)
185 Freemasonry
200 **Political Science**
201 **Government,** General
202 The State (Constitution)
203 City State
204 Feudal System
205 Fiefs
See also L151, 152
206 Monarchy
208 Kingdom States
209 Empire —
210 Absolute Monarchy
211 Divine Right of Monarchs
212 Constitutional Monarchy
213 Crown Duties
214 Crown Privileges
215 Courts (Royal)
216 Levées
217 Assemblies
218 Durbars
219 Other Functions
220 Court Officials
221 Bodyguard
222 Chamberlains
223 Stewards

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224	Maids of Honour
225	Master of the Horse
227	Gentlemen-in-Waiting. Pages
228	Other Functionaries
230	Tyranny. Dictatorship
231	Aristocracy
232	Oligarchy
233	Gynæococracy
234	Republicanism
235	Democracy
236	Socialism
237	Fabianism
238	Communism
239	Anarchism
240	Nihilism
241	Utopias (Ideal Governments)
242	Other Forms of Government
243	Federal Government
244	Parliamentary Government
250	**Political Parties** (*Divide by National Nos.*)
251	Conservatives (Tories)
252	Liberals (Whigs)
253	Radicals
254	**Science of Politics**
255	Party Government
256	**International Politics**
257	**Statesmanship** (Statecraft)
258	Balance of Power
259	Foreign Relations and Policy
260	Foreign Offices or Ministries
261	**State Control**
262	State Interference
263	**State Administration**
264	Representation [tives
265	Payment of Representa-
266	Proportional Representation
270	**Suffrage** (Franchise)
271	Universal
272	Manhood
273	Qualifications
274	Woman Suffrage

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275	**Registration of Voters**
280	**Elections**
281	Canvassing
282	Election Agents
283	**Ballot**
284	Polling
295	**Central Administration**
300	**Parliaments or Elective Assemblies**
301	Powers and Privileges (General)
302	Procedure and Forms —
303	Proceedings. Votes —
304	Debates —
305	Journals —
306	Bills —
307	Acts (Statutes) — (*Single Acts go at subjects*)
308	Reports and Papers (Blue, White, etc. Books), General (*Single reports go at subjects*)
309	Other Documents
310	**British Parliament**
311	House of Commons
312	Speakers (Office)
313	House of Lords
314	Lord Chancellors (Office)
315	Privy Council
316	Cabinets
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(The Spoken, Written and Printed Word.)

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775 Oriental —
779 Germany
780 Italy
781 France
782 Netherlands
783 Switzerland
784 Spain. Portugal
785 England
786 Austria-Hungary
787 Denmark
788 Norway
789 Sweden
790 Russia
791 Other Countries
792 Special Presses
793 Private —
795 **Incunabula**
(*Actual specimens go with subjects*)
(*Divide by National Nos.*)
798 Printers' Marks

800 **Practical Printing**
801 **Type-founding**
802 Hand casting
803 Moulds
804 Punches
805 Machine Casting
806 Founders' Catalogues

M

807 **Type**
808 Sizes and Bodies
809 Black Letter (Gothic)
810 Roman
811 Italic
812 Greek
813 Hebrew
814 Oriental (Arabic, etc.)
815 British (Irish and other Founts)
816 Other varieties
817 **Printing Office Furniture and Materials**
818 Music Printing
819 Engraved Music
820 Type music
821 Other varieties
822 Ruling, and machines
823 Numbering, and machines
824 Logotypes
825 Embossed (or Nature) Printing
826 Addressing Machines
827 Microscopic Printing
828 Rubber, Perforating and other Hand Stamps

830 **Composition**
831 Hand
832 Machine, General
833 Linotype
834 Monotype
835 Other Mechanical Methods
836 Type Distributing
837 Correcting for Press. Proof Reading
838 Imposition and Making Up
839 Stereotyping

840 **Press Work**
841 Printing Presses, Hand
842 Platen Presses
843 Printing Machines, rotary
844 Other kinds of Printing presses
846 **Letterpress Printing**
847 Title-pages. Editions
848 Colophons

M

849 Chapters & Divisions
850 Pagination
851 Signatures
852 Picture Printing
853 Colour Printing
854 Three Colour Process
855 Special Printing
See also A735 Photo Mechanical Engraving
856 Compositors (The Chapel)
857 Printers and Printing Trades. General
860 **Paper Making**
861 Mills
862 Watermarks
863 Varieties of Paper. Parchment. Vellum
864 Sizes. Size Notation
865 Millboards
866 Card-boards
867 Straw Boards
868 Papier Mâché
869 Paper Makers
870 **Stationery and Fancy Goods Trades**
871 Stationery Office
872 **Bookbinding,** General
873 **Historical Bookbinding** (*Divide by National Nos.*)
874 Leather Bindings
875 Metal Bindings
876 Vellum Bindings
877 Embroidered Bindings
878 Other Bindings
880 **Practical Bookbinding**
881 Mending. Repairing
882 Bookworms
883 Mounting, Inlaying
884 Folding and Stitching
885 Forwarding
886 Finishing and Tooling
887 Edge-work
888 Marbling and Sprinkling
889 Gilding
890 Painting and Colouring
891 Cloth Binding
892 Leather Binding
893 Bookbinders

M

895 **Publishers** and Publishing Trade
897 **Booksellers** and Bookselling Trade
898 Newsagents
900 **Library History and Economy**
901 **Library History**, General
902 Ancient Libraries
903 Classical —
904 Modern —
905 State —
906 Muncipal —
907 Endowed —
908 Subscription —
909 Commercial —
910 Private —
(*Divide by National Nos.*)
950 **Library Economy**
951 Foundation
952 Librarianship
953 Book Accession
954 Reading and Reading Habit
955 Best Books
956 Book Plates and Labels
957 Stamps and other ownership marks
960 Public Service
961 Borrowers
962 Charging or Registration of Books
963 Book Distribution
964 Lending Libraries
965 Branch Libraries and Deliveries
966 Travelling Libraries
967 Reading Rooms
968 Newsrooms
969 Reference Libraries
970 Children's Libraries
971 Children's Books
990 Household Libraries
995 Special Libraries

N—LITERARY FORMS AND TEXTS.

N

000 **FICTION**
001 Romances, Collective
002 Novels —

N

003 Tales and Stories, Collective
004 Juvenile Fiction —
005 Fairy Tales. Legends—
006 Fables —
007 Allegories —
008 Other Forms —
020 **Individual Authors.** *Arrange alphabetically under real names by numbers of Biographical Table. Anonyma at end. Original Texts with translations. For convenience in charging in a Lending Library, it will be found best to ignore the Class Letter and Number in General Fiction, and use the Biographical Numbers for Authors only.*

Fiction may be distributed according to its ascertained subject matter, by adding the Fiction number from the Categorical Table to any subject number thought appropriate. Historical Fiction in particular lends itself to this method of classification.

100 **POETRY**
101 Anthologies, General
102 National
Special Forms go with
Forms — [*Forms, below*
110 Didactic
111 Satire
112 Descriptive
113 Pastoral
114 Lyric
115 Ballads
116 Songs
117 Hymns
118 Odes
119 Elegies
120 Sonnets
121 Epic
122 Epigrams
123 Nursery Rhymes
124 Parodies

N

130 **Prosody**
132 Versification. Rhyme
133 Rhythm
134 Quantity, Metre
150 **Individual Poets** [*Arrange alphabetically under real names by numbers of Biographical Table. Anonyma at end. Original Texts with Translations*]

200 **DRAMA**
201 **Plays,** General
202 National
Special Forms go with
210 Tragedies [*forms*
211 Comedies
212 Farces. Sketches
213 Melodramas
214 Burlesques. Burlettas
215 Vaudevilles
216 Miracle Plays (Reppresencione)
217 Passion Plays
218 Mysteries
219 Masques
220 Pantomimes
221 Shadow Pantomimes
222 Puppet Shows. Marionettes. (Punchinello)
223 Masquerades. Carnivals. Guisards
224 Other Forms
230 Private Theatricals
231 Charades
232 Tableaux Vivants (Living Pictures)
233 Dialogues (Imaginary Conversations)
240 **Acting** (Histrionics)
241 Theatres
242 Music Halls (Variety Halls)
243 Circuse (Hpipodromes)
244 Travelling(Booth)Theatres
245 Stage Management
246 Miniature or Toy Theatres
247 Actors
248 Mummers
249 Clowns

N

250 **Individual Dramatists** (*Arrange alphabetically under real names by numbers of Biographical Table. Anonyma at end. Original Texts with Translations*)

ESSAYS AND MISCELLANEA

300 **ESSAYS**
301 General Collections
302 National Collections (*Special Collections go with Topics*)
305 **Individual Authors.** (*Arrange alphabetically under real names by numbers of Biographical Table. Anonyma at end. Original Texts with Translations. Only miscellaneous collections of essays go here. All single or collected essays on definite Topics go with Topics*)

Miscellanea—

310 Albums, General
311 Scrap Books, General
312 Clippings or Cuttings Books, General
313 Note Books
314 Anecdotes
315 Story-telling. Raconteurs
316 Bon Mots
317 Ana
318 Table Talk
320 Facetiæ
321 Humour
322 Wit
323 Puns. Punning
324 Jests
326 Mottoes [Aphorisms)
330 Proverbs, General (Maxims.
331 National (*Divide by Na-*
335 Quotations [*tional Nos.*)
Birthday Books. *See* X206 Biography
336 Satire

O-W—HISTORY & GEOGRAPHY:

O—Universal History and Africa.

000 **Universal History and Geography** (4004 B.C. to date)
001 **Civil History,** General
002 **Church** —
003 **Social** —
004 **Military** —
005 **Naval** —
006 **Battles,** in General (*Single Battles go in countries where fought*)
007 Adventures. Great Deeds. (Historical)
010 **Ancient History and Geography**
011 **Ancient History,** alone (4004 B.C.—476 A.D.)
012 Earliest Times to 2349 B.C. (Deluge)
013 2349–1912 B.C. (To foundation of Assyrian Monarchy)
014 1912–1183 B.C. (To fall of Troy)
015 1183–976 B.C. (To death of Solomon)
016 976–559 B.C. (To foundation of Persian Empire)
017 559–1 B.C. (To end of Era)
018 **Christian Era** as a whole (A.D. 1—)
019 Period from A.D. 1 to 476, as a whole
020 First Century A.D.
021 Second —
022 Third —
023 Fourth —
024 Fifth —
025 **Dispersed Ancient Nations—**
026 **Phœnicia**
027 Sidon
028 Tyre
029 **Chaldea**
030 Kushite Race
031 **Assyria**
032 Nimrod to Belatores, 2245–1422 B.C.

0
033 Nineveh
034 Sardanapalus (Assur-bani-pal), 876–332 B.C.
035 Hittites
036 Philistines
037 **Babylonia**
038 Accadians
039 Babylon
040 **Lydia** (Mæonia)
041 Mythical Monarchs
042 Crœsus, 560–546 B.C.
043 Sardis
044 Other Dispersed Nations
045 **Mediæval History and Geography**
046 **Mediæval History,** alone (A.D. 476–1453)
047 Sixth Century A.D.
048 Seventh —
049 Eighth —
050 Ninth —
051 Tenth —
052 Eleventh —
053 Twelfth —
054 Thirteenth —
055 Fourteenth —
056 Fifteenth —
057 **Crusades** (1095–1270)
060 **Modern History and Geography**
061 **Modern Hist.,** alone (1453—)
062 Sixteenth Century A.D.
063 Seventeenth —
064 Eighteenth —
065 Nineteenth —
066 Twentieth —
067 Twenty-first —
070 **Chronology**
071 Eras and Epochs
072 Cycles, Golden Number, etc.
073 Styles, Old and New
074 Dates
075 Chronograms
076 Almanacs (Ephemerides)
077 **Calendars**
078 Julian
079 Gregorian
080 Church Almanac
081 Jewish

0
082 Mohammedan
083 French Revolutionary
084 Others
085 **Diaries,** Blank (*Written ones go in subject, Biography or Country*)
086 **Historical Collaterals**
087 Proclamations
088 Coronations
089 Pageants
090 Processions
091 Revolutions
092 Massacres
093 Conspiracies. Plots. Feuds
094 Invasions
095 **Spraghistics (Medals)**
100 **Archæology** (Antiquities)
105 Prehistoric Antiquities
110 Paleolithic (Early Stone) Age
115 Neolithic (Late Stone) Age
120 Bronze Age
125 Iron Age
150 Cave Dwellings. Pit Dwellings
151 Lake Dwellings
152 Crannoges
153 Mounds. Barrows
154 Monoliths
155 Cromlechs. Dolmens
156 Cairns
157 Kitchen Middens
158 Other Remains

NOTE.—*All other antiquities go with subjects. They take their subject, plus the Categorical "Archæology" No.*)

200 **Universal Geography and Description**
205 **Ancient Geography**
210 **Classical** —
215 **Mediæval** —
220 **Modern** —
225 **Historical** —
230 Wonders of the World
235 Cities and Towns
250 **Voyages and Travels, Collective,** General

0

260 **Individual Authors, General** (*Divide by Biographical Nos.*) (*Travels in special countries go at Local Nos.*)

270 **Atlases, General** (*Separate National Atlases, Maps and Plans go at Local Nos.*)

280 **Cartography.** *See also* D020 Surveying

281 Map and Plan Construction

282 Boundaries

300 **AFRICA**

301 **North Africa**

302 Roman Occupation

303 Mauritania

304 Numidia

305 Carthage

306 Hamilcar

307 Hamilcar Barca

308 Hannibal

309 Other Roman States

320 **Barbary States**

321 Barbary Corsairs

325 **Marocco (Morocco)**

326 Dynasty of the Alides to 1794

327 Mulai-Soliman, 1794-1822

328 Mulai-Abderrahman, 1822-59

329 Sidi-Mulai-Mohammed, 1859-73

330 Mulai-Hassan, 1873-94

331 Mulai-Abd-el-Aziz, 1894—

335 Fez

336 Mekenes

337 Marakish (Marocco City)

338 Tetuan

339 Tangier

340 Ceuta

341 Sallee

342 Rabat

343 Mazagan

344 Mogador

0

345 Tafilet Oasis

346 Berber Tribes

347 Atlas Mountains

350 **Algeria**

351 Beys of Algiers

352 French Occupation

353 Algiers

354 Oran

355 Flemçen

356 Constantine

357 Bône

358 Kabyle Tribes

359 The Tell

370 **Tunisia** (Afrikija)

371 Beys of Tunis

372 Tunis

373 Kairwan

374 Dugga

380 **Tripoli**

381 Barca (Cyrenaica)

382 Benghazi

383 Fezzan

400 **EGYPT**

401 **Ancient Egypt**

402 **Ancient Empire** (4400-3064, B.C.)

403 Thinite (This) (1-2 Dyn.) 4400-3966

404 Memphite (3-4 Dyn.) 3966-3733

405 Elephantiné (5 Dyn.)

406 Memphite (6-8 Dyn.)

407 Heracleopolite (9-10 Dyn.)

408 **Middle Empire** (3064-1700 B.C.)

409 Theban (11-13 Dyn.) 2466

410 Xoïte (Xois) (14 Dyn.)

411 Hyksos (Shepherd kings) (15-16 Dyn.)

412 **New Empire** (1700-332 B.C)

413 Theban (17-20 Dyn.) 1800-1100

414 Tanite (21 Dynasty) 1100-966

415 Bubastite (22 Dynasty) 966-766

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416	Tanite (23 Dynasty) 766-733
417	Saïte (Saïs) (24 Dyn.) 733-700
418	Ethiopian (Nubia) (25 Dyn.) 700-666
419	Saïte (26 Dynasty) 666-527
420	Persian (27 Dynasty) 527-406
421	Saïte (28 Dynasty) 406-399
422	Mendesian (29 Dyn.) 399-378
423	Sebennyte (30 Dyn.) 378-340
424	Persian (31 Dynasty) 340-332
425	**Conquest of Egypt by Alexander,** 332
426	Ptolemy I. — Ptolemy VIII. 323-81 B.C.
427	Alexander I.—Cleopatra I. 81-80 B.C.
428	Ptolemy IX. 80-43 B.C.
429	Antony and Cleopatra 43-30 B.C.
430	**Roman Egypt,** 30 B.C. to 395 A.D.
431	**Byzantine Egypt,** 395–640 A.D.
432	**Mohammedan Egypt,** 640–1538
	See also Arabia
433	Mamlûkes, 1250–1538
434	**Turkish Egypt,** 1538–1798
435	**French Rule,** 1798–1803
436	**Khedives**
437	Mehemet Ali, 1805–48
438	Ibrahim, 1848–
439	Abbas, 1848–54
440	Said, 1854–63
441	Ismail, 1863–79
442	Mohammed Tewfik, 1879–1892
443	Abbas Hilmi, 1892–
445	**British Egypt,** 1882–
450	**Peninsula of Sinai**
451	Gulf of Akabah

0	
455	**Lower Egypt** (Bahaira)
456	Pyramids
457	Cairo
458	Alexandria
459	Port Said
460	Red Sea
461	Suez Canal
462	Gulf of Suez
463	Damietta
464	El-Arish
465	Behera
466	Charkish
467	Dakahlieh
468	Gharbiah
469	Kaloubiah
470	Menoufieh
471	**River Nile**
475	**Upper Egypt**
476	Beni-Souef
477	Fayoum
478	Guizeh
479	Memphis
480	Minieh
481	Assiout
482	Guerga
483	Kena (Keneh) Thebes, Karnac
484	Aswan (Assouan)
485	**Nubia**
486	**Egyptian Sudan**
487	Khartoum
488	Kordofan. Sennar
489	Darfur. Bahr-el-Ghazal
490	**Sahara**
495	Libyan Desert
500	**East Africa**
501	**Eritrea**
502	Massowah
510	**Abyssinia** (Habesh or Ethiopia)
511	Early Kings
512	Neguses
513	Theodore, 1855-72
514	Johanni II., 1872-89
515	Menelik II., 1889
516	Tigré
517	Adowa
518	Amhara
519	Gondar

O	
520	Shoa
521	Magdala
522	Harrar
523	Lake Tana (Tsana)
525	**Somaliland** (Eastern Horn of Africa)
526	Sokotra
530	**British East Africa** (Ibea)
531	East Africa Protectorate
532	Mount Kenia
533	Juba River
534	Uganda
535	Lake Victoria Nyanza
536	Lake Albert —
537	Lake Rudolf
540	**Zanzibar**
541	Sultans of Zanzibar
542	Pemba
550	**East African Islands**
551	**Seychelles** (Mahé Archipelago)
552	Amirante Islands
555	**Mauritius**
556	Rodriguez
557	**Comoro Islands**
570	**Madagascar**
571	Monarchs of Madagascar
572	French Occupation
573	Antananarivo
574	Tamatave
580	**Réunion** (Bourbon Island)
600	**Central Africa**
610	**Deutsch Ost Afrika** (German East Africa)
611	Mount Kilima-Njaro
612	Lake Tanganyika
620	**British Central Africa**
625	Zambesi River
626	Lake Nyassa
650	**Congo Free State**
651	River Congo
652	Boma
660	**Angola** (Portuguese West Africa)
661	St. Paul de Loanda
670	**French Congo**
680	**Rio Muni** (Spanish)
681	Corisco Island

O	
700	**South Africa**
701	Portuguese Settlements
702	Dutch —
703	British —
710	**German South-West Africa**
711	Deutsch-Namaland
712	Deutsch-Damaraland
715	**Bechuanaland**
716	Mafeking
720	**British South Africa**
721	**Rhodesia**
722	Mashonaland
723	Matabeleland
725	**Transvaal Colony**
726	South African Republic
727	Presidents
728	Pretoria
729	Johannesburg
730	Rand
731	Boers
732	Boer War, 1880-81
733	Second Boer War, 1899-1902
734	Swazi Land
735	Limpopo River (Crocodile River)
740	**Orange River Colony**
741	Orange Free State
742	Presidents
743	Bloemfontein
744	Vaal River
745	**Basuto Land**
750	**Natal**
751	Durban (Port Natal)
752	Pietermaritzburg
753	Zululand
760	**Cape Colony**
761	Cape Town
762	Kimberley
763	Port Elizabeth
764	Griqualand, West
765	East Griqualand
766	Tembuland
767	Transkei
768	Walfish Bay
769	Drakensburg Mountains
770	Orange River
780	**Portuguese East Africa**
781	Mozambique

O
782 Zambezia
783 Lourenço Marques
784 Delagoa Bay
785 Inhambane
786 Gaza Land
800 **West Africa**
801 **Kamerun** (Cameroons)
802 **Fernando Po**
803 São Thomé Island
805 Principe Island
810 **Nigeria**
811 Old and New Calabar
815 Benin
816 Sokoto (Northern Nigeria)
818 Haussaland
820 **Lagos**
825 Yoruba
828 Abeokuta
830 **French Sudan**
831 Ivory Coast
832 Lake Chad
833 Niger River
834 Timbuctu
835 Senegambia
836 Dahomey
837 Slave Coast
838 Senegal River
840 **Togoland**
850 **Gold Coast**
851 Cape Coast Castle
855 Ashanti
856 Kumassi (Coomassie)
860 **Gulf of Guinea**
863 Bight of Biafra
865 Bight of Benin
870 **Liberia**
871 Presidents
872 Grain Coast
880 **Sierra Leone**
885 **Portuguese Guinea**
890 **Gambia**
891 Gambia River
895 **Tiris** (Spanish Sahara)
900 **West African Islands**
910 **Madeira**
915 Funchal
920 **Canary Islands**
925 Teneriffe
928 Palma

O
930 **Cape Verd Islands**
935 St. Vincent
940 **Ascension**
950 **Tristan da Cunha**
960 **St. Helena**

P—OCEANIA AND ASIA.

P
000 **OCEANIA**
010 **Australasia** (New Holland)
011 Australian Tribes
015 **Australia,** General
016 Governors
020 **Australian Commonwealth**
025 **Western Australia**
026 Perth
030 **South Australia**
031 Northern Territory
032 Melville Island
035 Adelaide
040 **Queensland**
041 Great Barrier Reefs
042 Gulf of Carpentaria
043 Wellesley Islands
044 Torres Strait
045 Thursday Island
048 Brisbane
050 **New South Wales**
051 Darling River
052 Sydney
053 Botany Bay
054 Norfolk Island
055 Lord Howe Island
060 **Victoria**
061 Murray River
065 Melbourne
066 Port Philip [Land)
070 **Tasmania** (Van Dieman's
071 Tasmanians
075 Hobart Town
078 King's Island
080 **New Zealand**
081 Governors
082 Maories
083 Maorie War
085 North Island
086 Wellington
087 Auckland

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090 South Island
091 Dunedin
092 Christchurch
095 Islands
096 Stewart Island
097 Others
098 New Zealand Alps
100 **POLYNESIA**
101 Cook Islands
103 Hervey Islands
105 Tubuai Islands
107 Austral Islands
109 Society Islands
111 Tahiti (Otaheite)
113 Low Archipelago (Tuamota)
115 Gambier Islands
117 Marquesas Islands
119 Pitcairn Island
121 Easter Island
123 Juan Fernandez Group
125 Phœnix Group
127 Manihiki Group
129 Tokelau
131 Galapagos
133 Other Polynesian Islands
140 **Micronesia**
143 Fiji
145 Tonga (Friendly Islands)
147 Samoa (Navigators' Islands)
149 Ellice Group
151 Gilbert Group
153 Marshall Islands
155 Caroline Islands
157 Pelew Islands
159 Marianne Islands (Ladrones)
161 Hawaii (Sandwich Islands)
163 Monarchs 1819—
165 United States Annexation
167 Honolulu
170 **Melanesia**
173 Papua (New Guinea)
175 British New Guinea
177 Dutch New Guinea
179 Kaiser Wilhelmsland (German New Guinea)
181 Bismarck Archipelago
183 Admiralty Islands
185 New Caledonia
187 Loyalty Islands

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189 New Hebrides
191 Santa Cruz
193 Solomon Islands
195 Bougainville Island
200 **MALAYSIA** (Malay Archipelago)
201 **Sunda** Group
205 **Sumatra**
206 Banka
207 Bileton
210 **Java**
211 Batavia
212 Bantam
213 Madura
214 Krakatao
215 Floris
216 Thousand Islands
217 Bali
220 **Borneo**
221 Dutch Borneo
222 British Borneo
223 Labuan
225 Sarawak
230 **Celebes**
231 Makassar (Macassar)
235 Sanghir Islands
240 **Moluccas** (Spice Islands)
241 Halmaheira
242 Buru
243 Ceram
244 Amboyna
245 Ke Islands
250 Lombok-Ombay Group
255 Sumba
260 Timor
261 Dutch Timor
262 Portuguese Timor
265 Eastern Sunda Islands
270 **Philippine Islands**
275 Luzon
276 Manila
277 Bisaya
278 Mindinao
290 **ASIA,** General
295 Scythia
300 **NIPPON (JAPAN)**
301 Early Mikados, B.C. 660-A.D. 71
302 Later Mikados A.D. 71-1012

P

303 Sanjō to Horikawa 1012-1108
304 Toba to Tsuchi-Mikado 1108-1211
305 Juntoku to Fushimi 1211-1301
306 Go Nijyō to Go-Komatsu 1301-1414
307 Shōkō to Go-Tsuchi 1414-1521
308 Go-Kashiwabara to Go-Yojō 1521-1611
309 Shoguns (Shogunate) 1603-1868
310 Go-Mizuo to Higashiyama 1611-1710
311 Naka-mikado 1710-20
312 Sakuramachi 1720-47
313 Momozono, 1747-63
314 Go-Sakuramachi 1763-71
315 Go-Momozono 1771-80
316 Kōkaku 1780-1817
317 Jinkō 1817-47
318 Kōmei 1847-68
319 Mutsuhito 1868—
325 Europeanization of Japan 1889
330 **Honshu (Hondo)**
331 Tōkyō (Yedo)
332 Fujiyama Mountain
333 Yokohama
334 Osaka
335 Kobe
336 Kyōtō (Saikyo)
337 Nagoya
338 Seto
339 Hiroshimo
340 **Shikoku**
341 Sannki
342 Tokushima
343 **Kiushiu**
344 Nagasaki
345 Kumamoto
346 Fukuoka
347 **Yezo (Hokkaido)**
348 Hakodaté
349 Matsumai (Fukuyama)
350 **Sado**
351 **Tsushima**
352 **Oki**

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353 **Iki**
354 **Goto**
355 **Amakusa**
356 **Awaji**
357 **Tanegashima**
358 **Yakunoshima**
360 **Luchu (Liukiu)**
361 Okinawa
362 Shuri
363 Oshima
370 **Taiwan (Formosa)**
371 **Hōkotō (Pescadores)**
372 **Ogasawara-jima** (Bonin Islands)
375 **Chishima (Kuriles)**
376 **Karafuto (Sakhalin)**
380 **Ch'ao-sien, or Dai Han** (Korea, Corea)
381 Monarchs
382 Seoul
383 Ping-yang
384 Fusan
385 Chemulpo
386 Wonsan
387 Masampo
400 **CHUNG KWOH (CHINESE EMPIRE, Middle Kingdom)**
Dynasties—
401 Mythical Periods, 2637-2205 B.C.
402 Hia Dynasty 2205-1766 B.C.
403 Shang — 1766-1122, B.C.
404 Chau — 1122-255 B.C.
405 Tsin — 255-206 B.C.
406 Han — 206B.C.—25A.D.
407 East and Later Han Dynasty 25-264
408 Tsin Dynasty, 265-322
409 East Tsin Dynasty, 323-419
410 Sung and Tsi Dynasty, 420-502
411 Liang and Chin Dynasty, 502-589
412 Sui Dynasty, 589-619
413 Tang and Later Liang Dynasty, 620-923
414 Later Tang Dynasty, 923-936
415 Later Tsin, — 936-946

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416	Later Han and Later Chau Dynasty, 947-960
417	Sung and South Sung Dynasty, 960-1280
418	Mongol or Yuen Dynasty, 1280-1368
419	Ming Dynasty, 1368-1644
420	**Manchu or T'sing Dynasty,** 1644—
	Emperors—
421	Shunchi, 1644-1662
422	Kanghi, 1662-1723
423	Yungching, 1723-1736
424	Kienlung, 1736-1796
425	Kiaking, 1796-1821
426	Taukwang, 1821-1851
427	Tungchi, 1862-1875
428	Kwangsū, 1875—
430	**China Proper**
431	Yang-tsi-kiang River
432	Hoang-ho River
433	**Pechili**
434	Peking
435	Tientsin
436	Great Wall of China
437	**Shantung**
438	Tsinan
439	Weihaiwei
440	**Shansi**
441	Taiyuen
442	**Honan**
443	Kaifeng
444	**Kiangsu**
445	Nanking
446	Shanghai
447	Suchau
448	**Nganhwei**
449	Nganking
450	**Kiangsi**
451	Nanchang
452	**Chĕhkiang**
453	Hangchau
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468	Chengtu
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475	Macao
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481	Yünnan
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658 St. Zozimus to Sixtus III., 417–440

659 St. Leo I. (the Great), 440–461

660 St. Hilary to John I., 461–523

661 Felix IV. to Pelagius II., 523–590

662 St. Gregory the Great, 590–604

663 Sabinianus to St. Agathon, 604–678

664 St. Leo II. to Sisinnius, 678–708

665 Constantine, 708–715

666 St. Gregory II. to Stephen IV., 715–772

667 Adrian I., 772–795

668 Leo III., 795–816

669 Stephen V. to Sergius, 816–847

670 Leo IV., 847

671 Pope Joan, 855

672 Benedict III., 855-58

673 Nicholas I., 858–67

674 Adrian II. to John IX., 867–900

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675 Benedict IV. to John XII., 900–963

676 Leo VIII. to Damasus II., 963–1048

677 St. Leo IX. to Alexander II., 1048–1073

678 St. Gregory VII. (Hildebrand), 1073–1080

679 Clement III. (Guibert) to Victor III., 1080–88

680 Urban II., 1088–1099

681 Pascal II. to Honorius II., 1099–1130

682 Innocent II. to Anastasius IV., 1130–1154

683 Adrian IV. (Nicholas Breakspeare), 1154–59

684 Alexander III., 1159–1181

685 Lucius III., 1181–85

686 Urban III. to Innocent III., 1185–1216

687 Honorius III., 1216–27

688 Gregory IX., 1227–41

689 Celestine IV. to Innocent IV., 1241–1254

690 Alexander IV. to Urban IV., 1254–1265

691 Clement IV. to Gregory X., 1265–1276

692 Innocent V. to Nicholas III., 1276–1281

693 Martin IV. to Honorius IV., 1281–1288

694 Nicholas IV. to St. Celestine V., 1288–1294

695 Boniface VIII. to Benedict XI., 1294–1305

696 Clement V., 1305–16

697 John XXI., 1316–34

698 Benedict XII., 1334–42

699 Clement VI., 1342–52

700 Innocent VI., 1352–62

701 Urban V., 1362–70

702 Gregory XI., 1370–78

703 Urban VI., 1378

704 Clement VII. (Antipope), 1378–89

705 Boniface IX., 1389–1404

706 Innocent VII., 1404–6

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707 Gregory XII., 1406–9
708 Alexander V., 1409–10
709 John XXII., 1410–17
710 Martin V., 1417–24
711 Clement VIII. (Antipope), 1424–31
712 Eugenius IV., 1431–47
713 Nicholas V., 1447–55
714 Calixtus III., 1455–58
715 Pius II. (Enea Silvio Piccolomini), 1458–64
716 Paul II., 1464–71
717 Sixtus IV., 1471–84
718 Innocent VIII., 1484–92
719 Alexander VI., 1492–1503
720 Pius III. to Julius III., 1503–13
721 Leo X., 1513–22
722 Adrian VI. to Clement VII., 1522–34
723 Paul III., 1534–50
724 Julius III. to Marcellus II., 1550–55
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727 St. Pius V., 1566–72
728 Gregory XIII., 1572–85
729 Sixtus V., 1585–90
730 Urban VII., 1590
731 Gregory XIV. to Innocent IX., 1590–92
732 Clement VIII., 1592–1605
733 Leo XI. to Paul V., 1605–21
734 Gregory XV., 1621–23
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736 Innocent X., 1644–55
737 Alexander VII., 1655–67
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739 Clement X., 1670–76
740 Innocent XI., 1676–89
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744 Innocent XIII., 1721–24
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746 Clement XII., 1730–40
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750 Pius VI., 1775–1800
751 Pius VII., 1800–1823
752 Leo XII., 1823–29
753 Pius VIII., 1829–31
754 Gregory XVI., 1831–46
755 Pius IX., 1846–78
756 Leo XIII., 1878–1903
757 Pius X., 1903–

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800 **Piemonte (Piedmont)**
801 Torino (Turin)
802 Aosta
803 Cuneo
804 Novara
805 Alessandria
806 **Lombardia (Lombardy)**
807 Milano (Milan)
808 Bergamo
809 Brescia
810 Como
811 Cremona
812 Mantova (Mantua)
813 Pavia
814 Sondrio
815 **Venezia (Venice)**
816 Venezia (City)
817 Venetian Republic (to 1805)
818 Doges (697–1797)
819 Belluno
820 Chioggia
821 Padova (Padua)
822 Rovigo
823 Treviso
824 Udine
825 Verona
826 Vicenza
827 **Emilia**
828 Modena
829 Dukes of Modena, 1450–1860
830 Bologna
831 Parma
832 Dukes of Parma, 1545–1860
833 Piacenza

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834 Ferrara
835 Signori and Marquesses, 1067–1441
836 House of d'Este
837 Cesena
838 Forli
839 Ravenna
840 Reggio Emilia
841 Rimini
842 River Po
843 **Liguria**
844 Genova (Genoa)
845 Porto Maurizio
846 Riviera
847 **Toscana (Tuscany)** [1195
848 Dukes of Tuscany, 828–
849 Republic of Florence (Firenze), 1208–1531
850 Grand Dukes of Florence
851 House of Medici [74
852 Cosimo di Medici, 1537-
853 Francesco Maria, 1574–87
854 Ferdinando I., 1587–1609
855 Cosimo II. de Medici, 1609–21
856 Ferdinando II., 1621–70
857 Cosimo III., 1670–1723
858 Giovanni, 1723–37
859 House of Lorraine
860 Francesco II., 1737–65
861 Pietro Leopoldo, 1765–1790
862 Ferdinando III., 1790–1801, 1814–24
863 Luigi (King of Etruria), 1801–03
864 Carlo Luigi, 1803–24
865 Leopoldo II., 1824–59
866 Ferdinando IV., 1859-60
867 Firenze (Florence) city
868 Lucca
869 Siena
870 Pisa
871 Livorno (Leghorn)
872 Isola d'Eba (Elba), Monte Cristo
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874 Grosseto
875 Arezzo
876 **Umbria**
877 Perugia
878 Assisi
879 Foligno
880 Spoleto
881 **Marches**
882 Ancona. Loretto
883 Ascoli
884 Macerata
885 Pesaro-e-Urbino
886 **Latium**
887 Civitavecchia
888 Subiaco
889 Neri
890 Tivoli
895 Campagna under Rome
896 Tiber River
900 **Roma** [For ancient Rome *See* Q510
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910 **Abruzzi e Molisé**
911 Aquila
912 Campobasso
913 Chieti
914 Teramo
915 **Campania**
916 Pompeii
917 Herculaneum
918 Mount Vesuvius
920 **Napoli (Naples)**
921 *Kings of Naples—*
922 Carlo (of Anjou) to Ferdinando IV., 1282-1806
Joseph Buonaparte, 1806–08. *See* R646 Spain
924 Joachim Murat, 1808–15
925 Ferdinando IV., 1815
926 *Kingdom of the Two Sicilies*
927 Ferdinando I., 1815–25
928 Francesco I., 1825–30
929 Ferdinando II. 1830–56
930 Francesco II., 1856

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931 Ischia
932 Capri
933 Avellino
934 Caserta
935 Salerno
940 **Apulia**
941 Bari
942 Foggia
943 Lecce
945 **Potenza (Basilicata)**
946 **Calabria**
947 Catanzaro
948 Cosenza
949 Gulf of Taranto
950 **Sardegna (Sardinia)**
951 Kings of Sardinia—
952 Vittorio Amadeo I., 1720–30
953 Carlo Emanuele I., 1730–73
954 Vittorio Amadeo II., 1773–96
955 Carlo Emanuele II., 1796–1802
956 Vittorio Emanuele I., 1802–21
957 Carlo Felice, 1821–1831
958 Carlo Alberto, 1831–49
959 Cagliari
960 Sassari
965 **Sicilia (Sicily)**
966 Counts and Dukes of Apulia, 1043–1085
967 Kings of Sicily, 1072–1718
968 Palermo
969 Catania
970 Mount Etna
971 Girgenti
972 Marsala
973 Messina
974 Siracusa (Syracuse)
975 Trapani
976 Lipari Islands (Stromboli, etc.)
980 **Apennines**
985 **Adriatic Sea**
990 **San Marino**

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000 **FRANCE**
001 **Gauls**
002 Gallic War
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004 Pharamond, 418–27
005 Clodius (Clodion), 427–47
006 Meroveus, 447–58
007 Childeric I., 458–81
008 Clovis I. to Childebert II., 481–584
009 Clotaire II., to Dagobert the Great., 584–638
010 Clovis II. to Clotaire IV., 638-720
011 Chilperic II. to Charles Martel, 720–741
012 Childeric III., 741–752
020 **Carlovingians,** 752–987
021 Pepin, 752–68
022 Charlemagne, 768–814
023 Louis I. (le Débonnaire), 814–843
024 Charles le Chauve 843–877
025 Louis II., 877–879
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027 Carloman, 879–884
028 Charles le Gros 884–888
029 Hugh (Eudes), 888–922 } Charles III. (le Simple), 893–929
030 Robert, 922–923
031 Raoul, 923–36
032 Louis IV., 936–54
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040 **Capet and Valois,** 987–1515
041 **House of Capet,** (987–1328)
042 Hugh Capet, 987–96
043 Robert II., 996–1031
044 Henri I., 1031–60
045 Philippe I., 1060–1108
046 Louis VI. (le Gros), 1108–1137
047 Louis VII., 1137–80
048 Philippe II. (Augustus) 1180–1223
049 Louis VIII., 1223–26

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050	Louis IX. (Saint), 1226–70
051	Philippe III., 1270–85
052	Philippe IV., 1285–1314
053	Louis X. (King of Navarre) 1314–16
054	Jean I., 1316
055	Philippe V., 1316–22
056	Charles IV., 1322–28
060	**House of Valois** (1328–1515)
061	Philippe VI., 1328–50
062	Jean II., 1350–64
063	Charles V., 1364–80
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065	Charles VII., 1422–61
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072	Henri II., 1547–1559
073	François II., 1559–1560
074	Charles IX., 1560–1574
075	Massacre of St. Bartholomew, 1572
076	Henri III., 1574–89
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081	Henri IV., 1589–1610
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083	Louis XIV. (le Grand), 1643–1715
084	Louis XV., 1715–74
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086	National Assembly, 1789–1792
090	Revolution, 1792
100	**First Republic,** 1792–99
101	Convention, 1792–95
102	Reign of Terror, May 1793 to July 1794
103	Directoire, 1795–99
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105	**First Empire**
106	Napoleon I., 1804–14
107	Napoleon II., (Titular)

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110	**Bourbons Restored—**
111	Louis XVIII., 1814–15, 1815–1824
112	The Hundred Days, 1815
113	Charles X., 1824–30
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115	Louis-Philippe, 1830–48
116	**Second Republic,** 1848–52
117	Provisional Government, 1848
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119	Coup d'état, 1852
120	**Second Empire**
121	Napoleon III., 1852–1870
130	**Third Republic,** 1870—
131	Government of National Defence, 1870–71
132	Commune, 1871
133	Presidency of Thiers, 1871–73
134	McMahon, 1873–79
135	Grévy, 1879–87
136	Sadi-Carnot, 1887–94
137	Casimir-Périer, 1894
138	Faure, 1895–99
139	Loubet, 1899—1906
140	Fallières, 1906—
189	Pretenders to Crown of France—
190	Legitimate Line
191	Orléanist Line
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200	**Ancient Provinces and Modern Departments—**
201	**Channel Provinces—**
202	**Flandre**
203	Nord
204	Dunkerque (Dunkirk)
205	Lille
206	Douai
207	Roubaix
208	Tourcoing
209	Valenciennes
210	**Artois**
211	Pas-de-Calais
212	Arras
213	Calais

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220 **Picardie (Picardy)**
221 River Aisne
222 Aisne
223 Laon
224 Somme
225 Abbeville
226 Amiens
227 Crécy
230 **Normandie (Normandy)**
231 Dukes of Normandy, 911–1134
232 Seine-Inférieure
233 Dieppe
234 Rouen
235 Le Havre
236 Eure
237 Evreux
238 Calvados
239 Caen
240 Manche
241 Cherbourg
242 Mont St. Michel
243 Orne
244 Alençon
245 Counts of Alençon 1268–1404
246 Dukes of Alençon, 1404–1525
250 **Bretagne (Brittany)**
251 Counts and Dukes, 560 to 1532
252 Ille-et-Vilaine
253 St. Malo
254 Rennes
255 Côtes-du-Nord
256 S. Brieuc
257 Finistère
258 Brest
259 Ouesant (Ushant)
260 Morbihan
261 Belle Ile
262 Quiberon
263 Vannes
264 Loire-Inférieure
265 River Loire
266 Nantes
267 **Biscay Provinces—**
268 **Bay of Biscay**

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270 **Poitou**
271 Vendée
272 La Roche
273 Deux-Sèvres
274 Niort
275 Vienne
276 Poitiers
280 **Aunis-Saintonge—Angoumois**
281 Charente-Inférieure
282 La Rochelle
283 Rochefort
284 Ile d'Oléron
285 Charente
286 Angoulême
289 **Aquitaine (Guienne and Gascony)**
290 **Guienne**
291 Gironde
292 River Garonne
293 Bordeaux
294 Dordogne
295 Perigueux
296 Lot-et-Garonne
297 Agen
298 Tarn-et-Garonne
299 Montaubon
300 Lot
301 River Lot
302 Cahors
303 Aveyron
304 Rodez
310 **Gascony**
311 Landes
312 Dax
313 Gers
314 Auch
315 Hautes-Pyrénées
316 Tarbes
317 Haute-Garonne
318 Toulouse
319 **Pyrenees Provinces** (Pyrenees in General)—
320 **Béarn**
321 Basses-Pyrénées
322 Pau
323 Bayonne
324 Biarritz

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330	**Rousillon-Foix**
331	Ariège
332	Foix
333	Pyrénées-Orientales
334	Perpignan
335	**Mediterranean Provinces—**
340	**Languedoc**
341	Cevennes
342	Ardèche
343	Privas
344	Gard
345	Nîmes
346	Lozère
347	Mende
348	Hérault
349	Montpellier
350	Béziers
351	Aude
352	Carcassonne
353	Narbonne
354	Tarn
355	Albi
360	**Provence**
361	Alpes-Maritimes
362	Nice
363	Cannes
364	Mentone
365	Basses-Alpes
366	Digne
367	Var
368	Toulon
369	Hyères
370	Draguignon
371	Bouches-du-Rhône
372	River Rhône
373	Marseilles
374	Arles
375	Tarascon
376	Vaucluse
377	Avignon
380	**Corse (Corsica)**
381	Ajaccio
385	**East Frontier Provinces—**
390	**Champagne**
391	Ardennes
392	Mézieres
393	Marne
394	Châlons-sur-Marne
395	Epernay
396	Reims
397	Aube
398	Troyes
399	Haute-Marne
400	Chaumont
410	**Lorraine**
411	Meuse
412	Bar-le-Duc
413	Verdun
414	Meurthe-et-Moselle
415	Nancy
416	Vosges
417	Epinel
420	**Franche Comté**
421	Haute-Rhin
422	Belfort
423	Haute-Saône
424	Vesoul
425	Doubs
426	Besançon
427	Jura
428	Lons-le-Saumier
429	Dôle
430	**Dauphiné**
431	Isère
432	Grenoble
433	Drôme
434	Valence
435	Hautes-Alpes
436	Gap
440	**Savoie (Savoy)**
441	Counts of Maurienne, 1020-72
442	Counts of Savoy, 1108-1383
443	Dukes of Savoy, 1391-1713
444	Savoie
445	Chambery
446	Mont Blanc
447	Haute-Savoie
448	Bonneville
449	**North Central Provinces—**
450	**Anjou**
451	Counts of Anjou, 930-1422
452	Maine-et-Loire
453	Angers
454	Saumur

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460 **Touraine**
461 Indre-et-Loire
462 Tours
463 Loches
470 **Maine**
471 Mayenne
472 Laval
473 Sarthe
474 Le Mans
480 **Ile-de-France**
481 Oise
482 Beauvais
483 Seine-et-Oise
484 Versailles
485 St. Denis
486 River Seine
487 Seine
488 Vincennes
489 Seine-et-Marne
490 Melun
491 Fontainbleau
500 123 **Paris** (Lutetia)
501 Arrondissements
502 Boulevards
503 Cité
504 Notre Dame Cathedral
505 Bastille
506 Louvre
507 Tuileries
508 Quartier Latin
509 Sorbonne
510 **Berry**
511 Cher
512 Bourges
513 Indre
514 Chateauroix
515 **Orléanais**
516 Eure-et-Loire
517 Chartres
518 Loiret
519 Orléans
520 Loir-et-Cher
521 Blois
525 **Nivernais**
526 Nièvre
527 Nevers
530 **Burgundy**
531 Kings of Burgundy, 413-1032

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532 Dukes, 877 to Philippe I., 1363
533 Philippe II., 1363-1404
534 Jean, 1404-19
535 Philippe III., 1419-67
536 Charles the Bold, 1467-1477
537 Marie, 1477-1482
538 Annexation to France, 1479
539 Yonne
540 Auxerre
541 Côte-d'Or
542 Dijon
543 Chatillon
544 Beaune
545 Saône-et-Loire
546 Mâcon
547 Ain
548 Bourg
549 **South-Central Provinces—**
550 **Limousin**
551 Haute-Vienne
552 Limoges
553 Corrèze
554 Tulle
555 **Marche**
556 Creuse
557 Gueret
560 **Auvergne**
561 Puy-de-Dôme
562 Clermont-Ferrand
563 Cantal
564 Aurillac
565 **Bourbonnais**
566 Allier
567 Moulins
570 **Lyonnais**
571 Rhône
572 Lyon (Lyons)
573 Loire
574 Montbrison
575 St. Étienne
576 Haute-Loire
577 Le Puy
580 **Monaco**
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581 Grimaldo I. to Rainer III., 920–1407

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582 John I. to John II., 1407–1505
583 Lucian to Hercules I., 1505–1604
584 Honorius II. to Louis I., 1604–1701
585 Anthony to Honorius IV., 1701–1819
586 Honorius V., 1819–41
587 Florestan I., 1841–56
588 Charles III., 1856–89
589 Albert, 1889–
598 Monte Carlo

600 **ESPAÑA (SPAIN)**
601 **Visigoths,** 414–718 A.D.
602 Alaric I. to Alaric II., 406–507 A.D.
603 Gesalric to Rodrigo, 507–718
604 **Moors,** 711–1492
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606 Kings of Asturias and Leon, 718–1035
607 **Kingdom of Castile and Leon,** 1033–1506
608 Ferdinando and Isabella, 1471–1516
610 **Kingdom of Navarre,** 905–1512
611 Navarre (France)
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613 Joanna III., 1555–72
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620 **Kingdom of Aragon,** 1035–1512
625 **Navarre and Aragon and Kings of Spain**
626 Ferdinando V., 1512–16
627 Carlos I., 1516–1556
628 Felipe Filippo II. (Philip) 1556–1598
629 Armada, 1587–88
630 Filippo III., 1598–1621

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631 Filippo IV., 1621–1665
632 Carlos II., 1665–1700
640 **House of Bourbon**
641 Filippo V., 1700–46
642 Ferdinando VI., 1746–59
643 Carlos III., 1759–88
644 Carlos IV., 1788–1808
645 Ferdinando VII., 1808, 1813–33
646 Joseph Bonaparte, 1808–1813
647 Isabella II., 1833–68
648 Provisional Government, 1868–70
649 Amadeo I., 1870–73
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651 Alfonso XII., 1874–85
652 Maria Mercedes, 1885–86
653 Alfonso XIII., 1886—
700 **North Spain**
701 **Galicia**
702 Coruña
703 Lugo
704 Orense
705 Pontevedra
706 **Asturias**
707 Oviedo
708 **Leon**
709 Leon
710 Palencia
711 Salamanca
712 Ciudad-Rodrigo
713 Valladolid
714 Zamora
715 **Castilla la Vieja (Old Castile)**
716 Avila
717 Burgos
718 Logrono
719 Santander
720 Segovia
721 Soria
722 **Vancongadas (Basque Provinces)**
723 Vizcaya
724 Alava
725 Guipŭzcoa
726 **Navarra**

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727 **Aragon** and Kingdom 1035-1157
728 Huesca
729 Teruel
730 Zaragoza (Saragossa)
731 **Catalonia**
732 Barcelona
733 Gerona
734 Lerida
735 Tarragona
736 River Ebro
737 **Andorra**
750 **South Spain**
751 River Guadiana
752 River Guadalquiver
753 **Estremadura**
754 Badajoz
755 Cáceres [**Castile**)
756 **Castilla la Nueva (New**
757 Ciudad-Real
758 Cuenca
759 Guadalajara
760 Madrid
761 Escorial
762 Toledo
763 **Andalucia**
764 Almeria
765 Cadiz [and Ceuta, *See* O340 Africa]
766 Corboda (Cordova)
767 Granada
768 Alhambra
769 Huelva
770 Jaen
771 Málaga
772 Sevilla
773 **Murcia**
774 Albacete
775 Murcia City
776 Cartagena
777 **Valencia**
778 Alicante
779 Castellon
780 Valencia
781 **Balearic Islands**
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784 Ivica. Formentera
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801 **House of Burgundy**
802 Counts of Portugal, 1095-1139
803 Alfonso I., 1139-85 Alfonso
804 Sancho I., 1185-1212
805 Alfonso II., 1212-23
806 Sancho II., 1223-48
807 Alfonso III., 1248-79
808 Dionysius, 1279-1325
809 Alfonso IV., 1325-57
810 Pedro, 1357-67
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820 **House of Avis**
821 Joan I., 1385-1433
822 Duarte, 1433-38
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824 Joan II., 1481-95
825 Manoel, 1495-1521
826 Joan III., 1521-57
827 Sebastian, 1557-78
828 Cardinal Henrique, 1578-80
829 Spanish Annexation, 1580-1640

830 **House of Braganza**
831 Joan of Braganza IV., 1640-56
832 Alfonso VI., 1656-67
833 Pedro (Regency), 1667-83
834 Pedro II., 1683-1706
835 Joan V., 1706-50
836 José, 1750-1777
837 Maria I. and Pedro III., 1777-86
838 Maria I. (alone), 1786-91
839 Joan (Regency), 1791-1816
840 Joan VI., 1816-26
841 Pedro IV., 1826-28
842 Maria II. and Miguel, 1828-33
843 Maria II., 1834-53

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850 Pedro V., 1853-61
851 Luis I., 1861-89
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900 **Entre Minho-e-Duoro Province**
901 River Duoro
902 Vianna do Castello
903 Braga
904 Poto (Oporto)
910 **Tras-os-Montes Province**
911 Villa Real
912 Braganza
920 **Beira Province**
921 Aveiro
922 Vizcu
923 Coimbra
924 Guarda
925 Castello Branco
930 **Estremadura**
931 Leiria
932 Santarem
933 Lisboa (Lisbon)
934 River Tagus
935 Cintra
940 **Alemtejo**
941 Portalegre
942 Evora
943 Beja
950 **Algarve (Faro)**
960 **Açores (Azores)**
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970 **Spain and Portugal,** together (Iberian Peninsula)
980 **Peninsular War,** 1808-14

S-T NORTH EUROPE—SLAVONIC AND TEUTONIC NATIONS.

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000 **ROSSIYA (RUSSIAN EMPIRE)**
001 **Slavonic Nations**
002 Pan-Slavism
003 **Dukes of Kiev,** 850-1157
004 Rurik
005 **Grand Dukes,** 1157-1327
006 **Grand Dukes of Moscow,** 1328-1462
010 **Czars (Tsars) of Moscovy—**
011 Ivan III., 1462-1505
012 Basil (Vasali) V., 1505-23
013 Ivan IV. (the Terrible), 1523-84

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014 Feodor I., 1584-98
015 Boris-Godonof, 1598-1605
016 Feodor II., 1605-6
017 Dmitri, 1606
018 Basil Chouiski, 1606-10
019 Ladislaus, 1610-13
020 **House of Romanof—**
021 Michael-Feodorovitz, 1613-45
022 Alexis, 1645-76
023 Feodor II., 1676-82
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026 Peter I. (the Great), 1689-1725
027 Catherine I., 1725-27
028 Peter II., 1727-30
029 Anne, 1730-40
030 Ivan VI., 1740-41
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036 Peter III., 1762
037 Catherine II., 1762-96
038 Paul, 1796-1801
039 Alexander I., 1801-25
040 Nicholas I., 1825-55
041 Alexander II., 1855-81
042 Alexander III., 1881-94
043 Nicholas II., 1894—
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052 River Dwina
053 Arkhangelsk (Archangel)
054 Spitzbergen
055 Nova Zemlia
056 Kolguev Island
057 River Petchora
058 Olenets
059 Vologda
060 Novgorod
061 Yaroslar
062 Kostroma
063 Pskov
064 Tver
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066 Nizhnii-Novgorod, Govt.
067 Nizhnii-Novgorod, town
068 Smolensk
069 Moskva (Moscow) Govt.
070 Moscow City
071 Kaluga
072 Tula
073 Riasan
074 Tambov
075 Orel
076 Kursk
077 Voronezh
078 **Baltic Provinces**
079 Courland
080 Libau
081 Mitau
082 Livonia
083 Riga
084 Esthonia
085 Reval
086 **Petersburg (St. Petersburg)** Govt.
087 St. Petersburg City
088 Kronstadt
089 **West Russia (Lithuania)**
090 Kovno
091 Vilna
092 Vitebsk
093 Grodno
094 Minsk
095 Moghilev
096 Volhynia
097 Podolia
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099 Chernigov
100 Kiev
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102 Kharkov
103 **Bessarabia**
104 Kishinev
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106 Kherson
107 Odessa
108 Yekaterinoslav
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112 Crimean War, 1854-56
113 Sevastopol

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114 Kertch
115 Don Region
116 River Don
117 River Dnieper
118 Sea of Azov
119 Black Sea
120 **Kazan**
121 Ural Mountains
122 Vyatka
123 Perm
124 Kazan
125 Simbirsk
126 Penza
127 **Astrakhan**
128 River Volga
129 Saratov
130 Samara
131 Ufa
132 Orenburg (Kirghiz Hordes)
133 Astrakhan
134 **Caucasus**
135 Caucasus Mountains
136 Caspian Sea
137 Northern Caucasia
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139 Stavropol
140 Terek
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142 **Transcaucasia**
143 Baku
144 Daghestan
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146 Erivan
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153 Boleslas III. to Lesko V., 1102-1227
154 Ladislas III. to Premislas, 1202-1296
155 Ladislas IV., 1296-1300, 1304-1333

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157 Casimir III. (the Great), 1333-70
158 Ludwig of Hungary, 1370-1382, *See* S407
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160 Ladislas V., 1399-1434
161 Ladislas VI., 1434-45
162 Casimir IV., 1445-92
163 John I., 1492-1501
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165 Sigismund I., 1506-48
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170 Ladislas VII., 1632-1648
171 John II., 1648-69
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173 John III. (Sobieski), 1674-97
174 Frederick-Augustus I., 1697-1704, 1709-33
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177 Stanislas II., 1764-95
178 Partition of Poland among Russia, Austria, and Prussia, 1772
179 Insurrection of Kosciusko, 1794
180 Revolution of 1830-31
181 Insurrection of 1861-67

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186 Lomza
187 Plock
188 Warszawa (Warsaw)
189 Lodz
190 Kalisz
191 Piotrkow
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193 Radom
194 Lublin
195 Kielce

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196 Siedlce
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200 **Suomi (Finland)**
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202 Abô-Björneborg
203 Abô
204 Helsingfors
205 Kuopio
206 Nyland
207 St. Michel
208 Tavastehus
209 Uleåborg
210 Viborg
211 Vasa
212 Lake Ladoga
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251 **Central Asia**
252 Lake Aral
253 Akmolinsk
254 Samipalatinsk
255 Turgai
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258 The Steppes
259 Khiva
260 Samarcand
261 Bokhara
262 Ferganah
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264 Syr-Daria
265 Tashkend
266 Semiryechrensk
267 Pamir
268 Trans-Caspian Province
269 Merv
270 **Sibir (Siberia)**
271 **Western Siberia**
272 River Obi
273 Tobolsk
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275 **Eastern Siberia**
276 River Yenesi
277 Irkutsk
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279 Yakutsk
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281 Yeniseisk
282 **Amur Region**
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300 **OESTERREICH-UNGARN (AUSTRIA-HUNGARY)**
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304 Ernst, 1056-75
305 Leopold II., 1075-96
306 Leopold III., 1096-1136
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309 Heinrich II., 1143-56
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310 Heinrich II., 1156-77
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313 Leopold VI., 1198-1230
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315 Rudolf II., 1282-93
316 Rudolf III., 1293-1314
317 Leopold I., 1314-58
318 Rudolf IV., 1358-65
319 Albrecht III., 1365-95
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321 Ladislas, 1439-57
322 Maria Theresa, 1740-1780
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323 Franz I., 1804-35
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331 **Lower Austria**
332 Wien (Vienna)

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333 **Upper Austria**
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343 Wenceslas III., 1230-53
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364 Marienbad
365 Teplitz
366 Franzensbad
367 Reichenberg

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368 **Moravia** (Mähren)
369 Brno (Brünn)
370 Olmütz
371 **Silesia** (Schlesien)
372 **Galicia** (Austrian Poland)
373 Lwow (Lemberg)
374 Kraków (Krakau, Cracow)
375 Karpathian Mountains
376 **Bukowina**
377 **Tyrol and Vorarlberg**
378 Innsbruck
379 Rhætian Alps
380 **Salzburg**
381 Salzburg City
382 **Styria**
383 Grätz
384 **Carinthia**
385 Carnic Alps
386 Klagenfurt
387 **Carniola**
388 Laibach
389 **Küstenland**
390 Istria
391 Trieste
392 Pola
393 **Dalmatia** (Illyria—Dalmatia, Bosnia, etc.)
394 Zara
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406 Charobert, 1309-42
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408 Karl Durazzo, 1385-87
409 Marie and Sigismund, 1387-1437
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412 Ladislas IV., 1440-45
413 Johann Hunniades, regent, 1445-58
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416 Ladislas VI., 1490-1516
417 Ludwig II., 1516-26
418 Johann Zapolski, 1526-36
419 Ferdinand I., 1526-1536
420 Maximilian, 1536-72
421 Rudolf, 1572-1608
422 Matthias II., 1608-18
423 Ferdinand II., 1618-25
424 Ferdinand III., 1625-47
425 Ferdinand IV., 1647-55
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460 **Slavonia**
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466 Princes, 1526-1690
467 Klausenburg
470 **Bosnia**
475 Bosna-Serai (Sarajevo)
480 **Herzegovina**
485 Mostar
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500 **SCHWEIZ (SWITZERLAND. HELVETIA. SUISSE)**
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511 Uri
512 Altdorf
513 Andermatt
514 **Schwyz,** (1291)
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517 **Nidwalden,** (1291) } walden
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519 Sarnen
520 **Luzern** (Lucerne), (1332)
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522 Münster
523 **Zürich,** (1351)
524 Zürich
525 Lake of Zürich
526 Winterthur
527 **Glarus,** (1352)
528 Glarus
529 **Zug,** (1352)
530 Zug
531 **Bern,** (1353)
532 Bern
533 Thun
534 Interlaken
535 **Fribourg,** (1481)
536 Fribourg
537 Gruyère
538 **Solothurn,** (1481)
539 Solothurn (Soleure)
540 **Basel-Stadt,** (1501) (Bâle)
541 Basel
542 **Basel-Land,** (1501)
543 Liestal
544 **Schaffhausen,** (1501)
545 **Appenzell,** (1573)
546 Appenzell
547 **St. Gallen** (St. Gall), (1803)
548 St. Gallen
549 **Graubünden** (Grisons) (1803)
550 Chur (Coire)
551 Engadine
552 Davos Platz
553 **Aargau,** (1803)
554 Aarau
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556 **Thurgau,** (1803)
557 Frauenfeld
558 **Tessin** (Ticino) (1803)
559 Locarno
560 Bellinzona
561 **Vaud** (1803)
562 Lausanne
563 Vevey
564 Montreux
565 **Valais** (1815)
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567 Martigny
568 Zermatt
569 **Neuchâtel,** (1815)
570 Neuchâtel
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580 **Alps.** [*Collect everything relating generally to the Alps here*]

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610 **Holy Roman Empire,** (962-1806)
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615 Konrad I., 911-18
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628 Konrad III., 1138-52
629 Friedrich I. (Barbarossa), 1152-90
630 Heinrich VI., 1190-97
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632 Otto IV., 1208-12
633 Friedrich II., 1212-50
634 Konrad IV., 1250-54
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636 Wilhelm of Holland, 1254-56
637 Richard of Cornwall, 1256-72
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639 Rudolf I., 1273-91
640 **House of Nassau**
641 Adolf, 1292-98
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642 Albrecht I., 1298-1308
643 **House of Luxemburg and Bavaria**
644 Heinrich VII., 1308-13
645 Ludwig IV., 1313-47
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663 Karl VI., 1711–1740
664 **House of Bavaria**
665 Karl VII., 1742-45
666 **House of Habsburg-Lorraine**
667 Franz I., 1745-65
668 Josef II., 1765-90
669 Leopold II., 1790-92
670 Franz II., 1792-1806
671 **Third Interregnum**
672 Confederation of the Rhine, 1806-15
673 Deutsche Bund (German Confederation), 1815-66
674 North German Confederation, 1866-71
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678 Friedrich, 1888
679 Wilhelm II., 1888—
700 **Preussen (Prussia)**
701 **Margraves or Electors of Brandenburg,** 1134 to 1616
702 **Dukes of Prussia,** 1619-88
703 **House of Hohenzollern**
704 Friedrich I., 1688-1713
705 Friedrich Wilhelm I., 1713-40
706 Friedrich II. (the Great), 1740-86

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707 Friedrich Wilhelm II., 1786-97
708 Friedrich Wilhelm III., 1797-1840
709 Friedrich Wilhelm IV., 1840-61
710 Wilhelm I., 1861-71 and 1871-1888
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716 Königsberg
717 Memel
718 Tilsit
719 **Westpreussen (West Prussia)**
720 Danzig
721 Marienwerder
722 **Brandenburg**
723 Frankfurt-am-Oder
724 Potsdam
725 Berlin
726 Charlottenburg
727 Spandau
728 River Spree
730 **Pommern (Pomerania)**
731 Stettin
732 Stralsund
733 Rügen
734 Usedom
735 River Oder
736 **Posen (Prussian Poland)**
737 Posen (town)
738 Bromberg
740 **Schlesien (Silesia—Prussian Poland)**
741 Breslau
742 Görlitz
743 Liegnitz
745 **Sachsen (Saxony)**
746 Magdeburg
747 Halle-an-der-Saale
748 Erfurt
750 **Schleswig-Holstein**
751 Kiel
752 Altona
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755 **Hannover**
756 Dukes, 1665-1692
757 Electors, 1692-1814
758 Kings, 1814-1866
759 Hannover (Town)
760 **Westfalen (Westphalia)**
761 Dortmund
762 Münster
765 **Hessen-Nassau** Prussia
766 Frankfurt-am-Main
767 Kassel (Cassel)
768 Wiesbaden
770 **Rheinland (Rhenish-Prussia)**
771 Köln (Cologne)
772 Aachen(Aix-la-Chapelle)
773 Barmen
774 Bonn
775 Düsseldorf
776 Eifel Gebirge
777 Elberfeld
778 Trier (Treves)
779 Essen
780 Koblenz (Coblentz)
781 Krefeld (Crefeld)
782 River Rhine
785 River Mosel (Moselle)
800 **Hohenzollern**
801 Sigmaringen
805 **Free Cities (Hanse Towns)**
806 Hanseatic League
807 Bremen
808 Hamburg
809 Lübeck
810 **Oldenburg** [1773-1881
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812 Oldenburg (town)
813 Birkenfeld
815 **Mecklenburg-Schwerin**
816 Grand Dukes (Princes of the Wends), 1701—
817 Rostock
818 Schwerin
820 **Mecklenburg-Strelitz**
821 Grand Dukes, 1701-94
822 Neu-Strelitz
825 **Lippe-Detmold**
826 Princes, 1802—
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831 Princes, 1787—
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836 Dukes (Brunswick-Luneburg)
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838 Braunschweig (Brunswick) town
840 **Anhalt**
841 Dukes, 1212—
842 Dessau
845 **Waldeck**
846 Princes
847 Arolsen
850 **Schwarzburg-Rudolstadt**
851 Princes
852 Rudolstadt
855 **Schwarzburg-Sonderhausen**
856 Princes
857 Sonderhausen (town)
858 Arnstadt
860 **Thuringia**
861 **Sachsen-Coburg-Gotha (Saxe-Coburg-Gotha)**
862 Dukes
863 Coburg
864 Gotha
865 **Sachsen-Weimar (Saxe-Weimar)**
866 Grand Dukes
867 Weimar
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870 **Sachsen-Altenburg (Saxe-Altenburg)**
871 Dukes
872 Altenburg
875 **Sachsen-Meiningen (Saxe-Meiningen)**
876 Dukes
877 Meiningen
880 **Reuss-Greiz (Reuss Old Line)**
881 Princes
882 Greiz
883 **Reuss-Schleiz (Reuss Younger Line)**
884 Princes
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890 **Elsass-Lothringen (Alsace-Lorraine)**
891 Dukes of Lorraine and Brabant
892 Strassburg
893 Colmar
894 Mülhausen
895 Metz
900 **Baden**
901 Margraves of Baden, 1120-1527
902 Margraves of Baden-Baden, 1527-1771
903 Margraves of Baden-Durlach to 1709
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904 Karl Wilhelm, 1709-38
905 Karl Friedrich, 1738-1811
906 Karl, 1811-18
907 Ludwig, 1818-30
908 Leopold, 1830-52
909 Ludwig II., 1852-56
910 Friedrich I., 1856—
915 Mannheim
916 Karlsruhe (Carlsruhe)
917 Konstanz (Constance)
918 Lake of Constance (Boden See)
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920 Heidelberg
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923 **Hessen (Hesse)**
924 Landgraves, 1567-1803
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926 Mainz (Mentz, Mayence)
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940 **Bayern (Bavaria)**
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942 Electors, 1596-1805
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944 Ludwig Karl, 1825-64
945 Maximilian Josef II., 1864-86
946 Otho, 1886—
950 Oberbayern (Upper Bavaria)
951 Wasserburg
952 Ober-Ammergau
953 München (Munich)
954 Niederbayern (Lower Bavaria)
955 Passau
956 Landshut
957 Rheinpfalz (Palatinate)
958 Counts Palatine of the Rhine, 1156-1777
959 Speyer (Spires)
960 Oberpfalz (Upper Palatinate)
961 Regensburg (Ratisbon)
962 Amberg
963 Oberfranken (Upper Franconia)
964 Dukes of Franconia, 891-1191
965 Bamberg
966 Hof
967 Baireuth
968 Kulmbach
970 Mittelfranken (Middle Franconia)
971 Nürnberg (Nuremberg)
972 Erlangen
973 Ansbach
974 Unterfranken (Lower Franconia)
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977 Schwaben (Suabia)
978 Dukes, 867-1268
979 Augsburg

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980 **Königreich Sachsen (Kingdom of Saxony)**
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982 Friedrich August, 1806-1827
983 Anton, 1827-36
984 Friedrich August II., 1836-54
985 Johann, 1854-73
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987 Georg, 1902-04
988 Friedrich August III., 1904—
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996 Leipzig
997 Bautzen
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000 **NETHERLANDS (HOLLAND AND BELGIUM together)**
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002 Belgæ
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004 **Governors of the Netherlands, 1477-1795**
005 **Dutch Republic, 1566-81**
006 **Austrian-Spanish Dominion,** 1477 **1476-1566**
007 **United Provinces, 1581-1795**
008 **Batavian Republic, 1795-1806**
009 **Dutch Stadtholders, 1579-1747**
010 **Princes of Orange**
011 Philibert de Chalons, 1502-1530
012 René de Nassau, 1530-44
013 Willem of Nassau, 1544-84
014 Philipp Willem, 1584-1618
015 Maurice, 1618-25
016 Friedrich Heinrich, 1625-1647
017 Willem II., 1647-60
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020 Willem IV., 1702-11
021 Willem V., 1711-51
022 Willem VI., 1751-1806
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103 Willem II., 1840-49
104 Willem III., 1849-90
105 Regency, 1890-98
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151 Groningen
152 **Friesland**
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154 Harlingen
155 **Drenthe**
156 Assen
157 **Overyssel**
158 Zwolle
159 Deventer
160 **Guelders**, Gelderland
161 Arnhem
162 Zutphen
163 Kampen
164 Apeldoorn
165 **North Brabant**
166 S'Hertogenbosch (Bois le Duc)
167 Breda
168 Bergen-op-Zoom
170 **Limburg**
171 Maestricht
172 **Zealand**
173 Walcheren
174 Vlissingen (Flushing)
175 **South Holland**
176 DenHaag (S'Graven Hage. The Hague)
177 Scheveningen
178 Delft
179 Gouda
180 Leiden (Leyden)
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184 Utrecht
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190 Texel and other Islands
191 Marken
195 **Zuyder Zee**

200 **BELGIË (BELGIQUE. BELGIUM. FLANDERS)**
210 **Counts of Flanders, 862-1384**
220 **Burgundian Dominion, 1437-1476**
230 **Revolution of 1830**
Independent Kingdom of Belgium—
250 Leopold I., 1830-65
251 Leopold II., 1865—

Local History and Description—
300 **River Maas (Meuse)**
301 River Schelde
305 **Antwerpen**
306 Antwerpen (Anvers. Antwerp)
307 Mechlin (Malines)
310 **Brabant**
311 Brussel (Bruxelles Brussels) [(1815)
312 Waterloo, Battle of
315 **East Flanders**
316 Gent (Gand. Ghent)
317 Aalst (Alost)
318 Oudenaerde
320 **West Flanders**
321 Brügge (Bruges)
322 Ostende
323 Blankenberghe
324 Ypren (Ypres)
325 Comines
326 Poperinghe
327 Kortrijk (Courtrai)
328 Furnes
330 **Hainaut (Hainault)**
331 Counts of Hainaut, 875-
332 Mons [1299
333 Tournai

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335 **Liège**
336 Luik (Liège)
337 Seraing
338 Spa
339 Verviers
340 Moresnet
341 **Limbourg**
342 Hasselt
345 **Luxembourg**
346 Neufchateau
347 St. Hubert
348 Arlon
349 La Roche
350 **Namur**
351 Namur
352 Dinant
353 Rochefort
355 Ardennes
380 **Luxemburg**
381 Counts and Dukes, 965-1444
382 Burgundian Dominion
383 Grand Dukes
384 Adolf, 1890—
390 Luxemburg (city)

400 **SCANDINAVIA, General**
401 Vikings. Norsemen. Danes

500 **DANMARK (DENMARK)**
501 **Gorm the Old to Magnus the Good, 860-1047**
502 **Estridsen Line, 1047-1412**
503 Svend Estridsen to Erik Ejegod, 1047-1103
504 Niels to Knud (Canute) VI., 1103-1202
505 Valdemar II. to Erik Menved, 1202-1319
506 Christopher II. to Margaret, 1319-1412
507 **Denmark and Norway,** 1412-1839
508 Erik of Pomerania, 1412-1439
509 Christopher of Bavaria, 1439-48
510 **Oldenburg Line**
511 Christian I., 1448-81
512 Hans, 1481-1513 (John II. of Sweden)

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513 Christian II., 1513-23
514 Frederik I., 1523-33
515 Christian III., 1533-59
516 Frederik II., 1559-88
517 Christian IV., 1588-1648
518 Frederik III., 1648-70
519 Christian V., 1670-99
520 Frederik IV., 1699-1730
521 Christian VI., 1730-46
522 Frederick V., 1746-66
523 Christian VII., 1766-1808
524 Frederik VI., 1808-39
Denmark (alone)—
525 Christian VIII., 1839-48
526 Frederik VII., 1848-63
527 Christian IX., 1863— 1906
Frederik VIII 1906 +
Local History and Description—
550 **Jutland**
551 **Aalborg**
552 Frederikshavn
553 Lessö
554 **Viborg**
555 **Aarhuus**
556 Horsens
557 **Ringkjöbing**
558 **Fyen (Funen)**
559 Odense
560 **Sjaelland (Zealand)**
561 **Kjöbenhavn (Copenhagen)**
562 Helsingor (Elsinore)
563 **Laaland**
564 **Baltic Islands**
565 Bornholm
566 **Färoe Islands**
570 **Island (Iceland)**
Danish Greenland. *See* W921
See also W677–80 West Indies

600 **NORGE (NORWAY)**
601 Harald Haarfager to Erik and Svend, 890-1015
602 Olaf (the Saint), 1015-30
603 Svend to Magnus Barfod, 1030-1103
604 Olaf to Sverre, 1103-1202
605 Hakon (or Haakon, Haco) III., 1202-04

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606 Guttorm and Inge Bardsson, 1204-17
607 Hakon IV., 1217-63
608 Magnus Lagabæter, 1263-80
609 Erik Præstehader, 1280-99
610 Hakon V., 1299-1319
611 Magnus Smek, 1319-55
612 Hakon VI., 1355
613 Hakon VII., 1905
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Local History and Description—
700 **Kristiania**
701 Kristiania City
702 Drammen
705 **Akershus**
706 **Smaalenene**
Hamar, 707-09
707 Hedemarken
708 Rondane
709 Kristians
710 **Buskerud**
711 **Jarlsberg og Larvik**
Kristiansand, 712-715
712 Bratsberg
713 Nedenaes
714 Lister og Mandal
715 Stavanger
716 **Söndre Bergenhus**
717 **Bergen**
718 **Nordre Bergenhus**
719 **Romsdal**
720 **Söndre Trondhjem**
721 Trondhjem
722 **Nordre Trondhjem**
723 **Nordland**
724 Lofoden Islands
725 Maelstroem
726 **Tromsö**
727 **Finmarken**
728 Hammerfest
730 **Dovrefeld Mountains**
731 **Kiolen Mountains**

800 **SVERIGE (SWEDEN)**
801 House of Bjorn Jernside, 983-1055
802 House of Stenkil, 1055-1130
803 House of Sverker, 1130-1250

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804 House of Folkungar, 1250-1523
805 **House of Vasa**
806 Gustaf I. (Vasa), 1523-60
807 Erik XIV., 1560-68
808 Johan III., 1568-92
809 Sigismund, 1592-~~1600~~ 1599
810 Carl IX., 1600-11
811 Gustaf Adolf II., 1611-32
812 Christina, 1632-54
813 **House of Pfaltz**
814 Carl X., 1654-60
815 Carl XI., 1660-97
816 Carl XII., 1697-1718
817 Ulrika Eleonora, 1718-1720
818 Frederik of Hesse, 1720-51
819 **House of Holstein-Gottorp**
820 Adolf Frederik, 1751-71
821 Gustaf III., 1771-92
822 Gustaf IV., 1792-1809
823 Carl XIII., 1809-18
824 Union with Norway, 1814
825 **House of Corvo** (Bernadotte Line)
826 Carl Johan XIV., 1818-44
827 Oscar I., 1844-59
828 Carl XV., 1859-72
829 Oscar II., 1872—
830 Separation of Norway, 1905
Local History and Description—
900 **Stockholm** Län (or Government)
901 City of Stockholm
905 **Upsal (Upsala)**
906 **Södermanland**
907 **Östergötland**
908 **Norrköping**
909 **Jönköping**
910 **Kronoberg**
911 **Kalmar**
912 Karlskrona
913 **Götland**
914 **Blekinge**
915 **Kristianstad**
916 **Malmöhus**
917 Malmö

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918 **Halland**
919 **Göteborg and Bohus**
920 Göteborg
921 **Elfsborg**
922 **Skaraborg**
923 **Vermland**
924 **Örebro**
925 **Vestmanland**
926 **Kopparberg**
927 **Gefleborg**
928 Gefle
929 **Vesternorrland**
930 **Jemtland**
931 Östersund
932 **Vesterbotten**
933 **Norrbotten**
940 **Baltic Sea**

U–V—BRITISH ISLANDS.

U

000 **IRELAND (Hibernia. Erin)**
010 Early Kings from Milesian Conquest to 4 A.D.
011 Fearaidhach-Fionfachtna to Turgesino, 4 to 879
012 Malachy I. to Daniel, 879 to 1002
013 Malachy II., 980-1002, 1014-1022
014 Brian Boroimhe, 1002-1014
015 Donough O'Brien, 1058-72
016 Turlough O'Brien, 1072-86
017 Division of the Kingdom, 1086-1132
018 Tordel Vach, 1132-66
019 Roderic O'Connor, 1166-1172
020 Lords of Ireland, Henry II. to Henry VIII., 1172-1542
025 **Governors of Ireland.** Lords Lieutenants or Viceroys
040 Chief Secretaries
045 **Irish Rebellion, 1798-99**
046 **Legislative Union, 1801**
047 Fenianism, 1858—
049 Home Rule, 1870—
050 **Ulster**
051 **Donegal County**
052 Donegal
053 Lifford

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054 **Londonderry**
055 Londonderry (town)
056 Coleraine
057 **Antrim**
058 Belfast
059 Carrickfergus
060 Lisburn
062 Giant's Causeway
063 Portrush
064 Rathlin
065 Lough Neagh
066 **Tyrone**
067 Omagh
068 Dungannon
069 Strabane
070 **Fermanagh**
071 Enniskillen
072 Lough Erne
073 **Monaghan**
074 Monaghan (town)
075 Clones
076 **Armagh**
077 Armagh (town)
078 Lurgan
079 Portadown
080 **Down**
081 Downpatrick
082 Banbridge
083 Bangor
084 Newry
085 Mourne Mountains
086 Rostrevor
087 **Cavan**
088 Cavan (town)
090 **Connaught**
091 **Mayo County**
092 Castlebar
093 Ballina
094 Killala
095 **Sligo**
096 Sligo (town)
097 **Leitrim**
098 Carrick-on-Shannon
100 **Roscommon**
101 Roscommon (town)
102 Lough Ree
103 **Galway**
104 Galway (town)
105 Tuam

U
110 **Leinster**
111 **Louth County**
112 Drogheda
113 Louth
114 Dundalk
115 Carlingford
116 **Longford**
117 Longford
118 **West Meath**
119 Mullingar
120 Athlone
121 **Meath**
122 Trim
123 Navan
124 Kells
125 River Boyne
126 **King's County**
127 Tullamore
128 **Kildare County**
129 Kildare (town)
130 Naas
131 The Curragh
132 **Dublin County**
133 Dublin City
134 The Pale
135 Balbriggan
136 Howth
137 River Liffey
138 **Queen's County**
139 Maryborough
140 Parsonstown
141 **Wicklow**
142 Wicklow
143 Bray
144 Glendalough
145 Arklow
146 **Kilkenny**
147 Kilkenny
148 **Carlow County**
149 Carlow (Town)
150 **Wexford**
151 Wexford
152 Enniscarthy
153 River Slaney
160 **Munster**
161 **Clare**
162 Ennis
163 Killaloe
164 Kilrush

U
165 River Shannon
166 **Tipperary**
167 Clonmel
168 Nenagh
169 Cashel
170 Tipperary
171 Thurles
172 Carrick-on-Suir
173 Lough Derg
175 **Limerick**
176 Limerick
177 **Kerry**
178 Kenmare
179 Tralee
180 Killarney
181 Valentia Island
182 **Cork County**
183 Cork (Town)
184 Queenstown
185 Bandon
186 Kinsale
187 Bantry
188 Youghal
190 **Waterford**
191 Waterford
192 Dungarvan
193 River Suir

200 **WALES (CAMBRIA)**
Monarchs—
201 Cadwallawn to Idwal, 630-728 A.D.
202 Roderic to Merwyn, 728-844
203 Roderic the Great, 844-877
204 Princes of North Wales
205 Anarawd, 877-915
206 Idwal Voel, 915-43
207 Howel Dda, 943-48
208 Iefan and Iago, 948-72
209 Howel ap Iefan, 972-84
210 Cadwallon, 984-85
211 Meredith, 985-92
212 Idwal ap Meyric, 992-98
213 Aedan, 998-1015
214 Llewelyn ap Sitsyllt, 1015-23
215 Iago, 1023-39
216 Griffith, 1039-67
217 Bleddyn, 1067-73
218 Trahaern, 1073-79

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219 Griffith ap Cynan, 1079-1137
220 Owain Gwynedd, 1137-69
221 Howel, 1169
222 David ap Owain, 1169-94
223 Llewelyn the Great, 1194-1240
224 David ap Llewelyn, 1240-46
225 Llewelyn ap Griffith, 1246-82
226 **Princes of South Wales, 877-1256**
227 **English Princes of Wales, 1284**
230 **North Wales**
231 **Snowdon**
232 **Anglesey**
233 Beaumaris
234 **Carnarvonshire**
235 Carnarvon
236 Bangor
237 Conway
238 Pwllheli
240 **Denbighshire**
241 Denbigh
242 Ruthin
243 Wrexham
244 **Flintshire**
245 Flint
246 St. Asaph
247 **Merionethshire**
248 Dolgelly
249 **Montgomeryshire**
250 Montgomery
251 Welshpool
252 Llanfyllin
253 Llanidloes
255 **South Wales**
256 River Usk
257 River Tavy
258 **Cardiganshire**
259 Cardigan
260 Aberystwith
261 Lampeter
262 **Brecknockshire**
263 Brecon
264 Rhondda
265 Ystrad-y-fodwg
266 **Radnorshire**
267 New Radnor

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268 **Pembrokeshire**
269 Pembroke
270 Tenby
271 St. David's
272 Haverfordwest
273 **Carmarthenshire**
274 Carmarthen
275 Kidwelly
276 Llandovery
277 **Glamorgan**
278 Cardiff
279 Llandaff
280 Merthyr Tydvil
281 Swansea
282 Aberavon
283 Cowbridge
284 Neath
290 **Isle of Man**
291 Diocese of Sodor and Man
292 Douglas

300 **ENGLAND AND WALES** (together)
301 **ENGLAND** (Anglia. Albion)
302 **Roman Occupation**
303 **Heptarchy.** Hengist to Egbert, 454-827
304 South Saxons, 490-686
305 Wessex (West Saxons), 519-800
306 East Saxons, 527-827
307 Northumbria, 547-827
308 Bernicia
309 Deira
310 East Angles, 575-790
311 Mercia, 586-874
312 **Kings or Octarchs of the English Saxons, 457-827**
313 **Anglo-Saxon Period**
314 Egbert, 827-36
315 Ethelwulf, 837-56
316 Ethelbald, 857-60
317 Ethelbert, 860-66
318 Ethelred I., 866-71
319 Alfred the Great, 871-901
320 Edward the Elder, 901-25
321 Athelstane, 925-40
322 Edmund, 941-46
323 Edred, 946-55

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324 Edwy, 955-59
325 Edgar, 959-74
326 Edward the Martyr, 975-978
327 Ethelred II., 978-1016
328 Edmund Ironside, 1016-17
329 Canute, 1017-35
330 Harold I., 1036-39
331 Hardicanute, 1039-40
332 Edward the Confessor, 1041-66
333 Harold II., 1066
334 **Normans**
335 William I. (the Conqueror), 1066-87
336 William II., 1087-1100
337 Henry I., 1100-35
338 Stephen, 1135-54
340 **Plantagenets**
341 Angevin Kings, 1154-1216
342 Henry II., 1154-89
343 Richard I., 1189-99
344 John, 1199-1216
345 Henry III., 1216-72
346 Edward I., 1272-1307
347 Edward II., 1307-27
348 Edward III., 1327-77
349 Richard II., 1377-99
350 **Lancaster and York, 1399-1485**
351 Wars of the Roses, 1455-85
352 **House of Lancaster, 1399-1461**
353 Henry IV., 1399-1413
354 Henry V., 1413-22
355 Henry VI., 1422-61
356 **House of York, 1461-85**
357 Edward IV., 1461-83
358 Edward V., 1483
359 Richard III., 1483-85
360 **Tudors**
361 Henry VII., 1485-1509
362 Henry VIII., 1509-47
363 Edward VI., 1547-53
364 Mary I., 1553-58
365 Elizabeth, 1558-1603

For continuation See V550 United Kingdom

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Local History and Description—

400 **Northern Counties**
401 **Lake District**
402 **English Borders**
403 Berwick-on-Tweed
405 **Northumberland**
406 Newcastle-upon-Tyne
407 Tyne River
408 Morpeth
409 Tynemouth
410 Wallsend
411 **Cumberland**
412 Carlisle
413 Whitehaven
414 Workington
415 **Durham**
416 County Palatine of Durham
417 Durham City
418 Darlington
419 Gateshead
421 Jarrow-on-Tyne
422 South Shields
423 Stockton-on-Tees
424 River Tees
425 Sunderland
426 River Wear
427 Hartlepool
428 West Hartlepool
430 **Westmoreland**
431 Kendal
432 Appleby
435 **Yorkshire**
436 River Humber
437 River Ouse
438 River Aire
439 York City
440 North Riding
441 Middlesborough
442 Richmond
443 Scarborough
444 Thornaby-on-Tees
445 East Riding
446 Beverley
447 Bridlington
448 Hedon
449 Hull
450 West Riding
451 Barnsley

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452	Batley
453	Bradford
454	Brighouse
455	Dewsbury
456	Doncaster
457	Halifax
458	Harrogate
459	Huddersfield
460	Keighley
461	Leeds
462	Morley
463	Ossett
464	Pontefract
465	Pudsey
466	Ripon
467	Rotherham
468	Sheffield
469	Todmorden
470	Wakefield
475	**Lancashire**
476	Duchy of Lancashire
477	Accrington
478	Ashton-under-Lyne
479	Bacup
480	Barrow-in-Furness
481	Blackburn
482	Blackpool
483	Bolton
485	Burnley
486	Bury
487	Chorley
488	Clitheroe
489	Colne
490	Darwen
491	Eccles
492	Haslingden
493	Heywood
494	Lancaster
495	Leigh
496	Liverpool
497	River Mersey
498	Bootle
499	Manchester
500	Salford
501	Middleton
502	Morecambe
503	Mossley
504	Nelson
505	Oldham

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506	Preston
507	River Ribble
508	Rawtenstall
509	Rochdale
510	St. Helen's
511	Southport
512	Stockport
513	Warrington
514	Widnes
515	Wigan
520	**Cheshire**
521	River Dee
522	Chester
523	Birkenhead
524	Congleton
525	Crewe
526	Dukinfield
527	Hyde
528	Macclesfield
529	Stalybridge
530	**Eastern Counties**
531	Fens
532	Broads
535	**Lincolnshire**
536	Lincoln City
537	Boston
538	Grantham
539	Grimsby
540	Louth
541	Stamford
542	Holland
543	Kesteven
544	Lindsey
545	The Wash
546	**Huntingdonshire**
547	Huntingdon
548	Godmanchester
549	St. Ives
550	**Cambridgeshire**
551	Cambridge
552	Wisbech
553	Isle of Ely
554	Ely
555	**Norfolk**
556	Norwich
557	Great Yarmouth
558	King's Lynn (Lynn Regis)
559	Thetford

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560	**Suffolk**
561	Ipswich
562	Aldeburgh
563	Beccles
564	Bury St. Edmunds
565	Eye
566	Lowestoft
567	Southwold
568	Sudbury
570	**Midland Counties**
571	River Trent
572	**Nottinghamshire**
573	Nottingham
574	East Retford
575	Mansfield
576	Newark-on-Trent
577	Southwell
578	Sherwood Forest
580	**Derbyshire**
581	Derby
582	Chesterfield
583	Glossop
584	Ilkeston
585	Peak District
586	Buxton
587	Matlock
590	**Staffordshire**
591	Stafford
592	Potteries
593	Hanley
594	Stoke-on-Trent
595	Burslem
596	Newcastle-under-Lyme
597	Longton
598	Burton-on-Trent
599	Dudley
600	Lichfield
601	Smethwick
602	Tamworth
603	Walsall
604	Wednesbury
605	West Bromwich
606	Wolverhampton
610	**Warwickshire**
611	Warwick
612	Birmingham
613	Coventry
614	Leamington
615	Stratford-on-Avon

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616	Sutton Coldfield
617	**Leicestershire**
618	Leicester
619	Loughborough
620	**Northamptonshire**
621	Northampton
622	Brackley
623	Daventry
624	Higham Ferrers
625	Peterborough
626	Soke of Peterborough
627	**Rutland**
628	Oakham
630	**Western Counties**
631	River Severn
632	Marches
633	Wessex
635	**Shropshire (Salop)**
636	Ludlow
637	Bishop's Castle
638	Bridgnorth
639	Oswestry
640	Shrewsbury
641	Wenlock
645	**Worcestershire**
646	Worcester
647	Bewdley
648	Droitwich
649	Evesham
650	Kidderminster
651	Malvern
652	Mendip Hills
655	**Herefordshire**
656	River Wye
657	Hereford
658	Leominster
660	**Gloucestershire**
661	Gloucester
662	Bristol
663	Cheltenham
664	Tewkesbury
665	Forest of Dean
666	**Monmouthshire**
667	Monmouth
668	Abergavenny
669	Newport
670	**Somerset**
671	Bath
672	Bridgwater

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673 Chard
674 Glastonbury
675 Taunton
676 Wells
677 Yeovil
678 Exmoor

680 **Dorset**
681 Dorchester
682 Blandford Forum
683 Bridport
684 Lyme Regis
685 Poole
686 Shaftesbury
687 Wareham
688 Weymouth

690 **Devon**
691 Dartmoor
692 Exeter
693 Barnstaple
694 Bideford
695 Dartmouth
696 Great Torrington
697 Honiton
698 Okehampton
699 Plymouth (Three Towns)
700 Devonport
701 Stonehouse
702 Torquay
703 Totnes

705 **Cornwall**
706 Duchy of Cornwall
707 Bodmin
708 Falmouth
709 Helston
710 Launceston
711 Liskeard
712 Lostwithiel
713 Penryn
714 Penzance
715 St. Ives
716 Saltash
717 Truro
718 Scilly Isles (Lyonesse)

720 **Southern Counties**

721 **Thames**
722 Thames Conservancy Board

723 **Chiltern Hills**

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725 **Oxfordshire**
726 Oxford
727 Banbury
728 Chipping Norton
729 Henley-on-Thames
730 Woodstock

731 **Berkshire**
732 Abingdon
733 Maidenhead
734 Newbury
735 Reading
736 Wallingford
737 Windsor
738 Windsor Castle and Forest
739 Wokingham

740 **Wiltshire**
741 Salisbury (Sarum)
742 Calne
743 Chippenham
744 Devizes
745 Malmesbury
746 Marlborough
747 Swindon
748 Wilton

750 **Buckinghamshire**
751 Buckingham
752 High Wycombe
753 Eton

755 **Bedfordshire**
756 Bedford
757 Dunstable
758 Luton

760 **Hertfordshire**
761 Hertford
762 Hemel Hempstead
763 St. Albans

765 **Hampshire**
766 Winchester
767 Andover
768 Basingstoke
769 Bournemouth
770 Christchurch
771 Lymington
772 Portsmouth
773 Romsey
774 Southampton
775 New Forest

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776 Isle of Wight
777 Newport
778 Cowes
779 Ryde
780 Ventnor
785 **Sussex**
786 East Sussex
787 West Sussex
788 Brighton
789 Hove
790 Arundel
791 Bexhill
792 Chichester
793 Eastbourne
794 Hastings
795 Lewes
796 Rye
797 Winchelsea
798 Worthing
800 **Home Counties**
801 **Kent**
802 Canterbury
803 Chatham
804 Deal
805 Dover
806 Faversham
807 Folkestone
808 Gillingham
809 Gravesend
810 Hythe
811 Lydd
812 Maidstone
813 Margate
814 Ramsgate
815 Queenborough
816 Rochester
817 Romney
818 Sandwich
819 Sevenoaks
820 Tenterden
821 Tunbridge Wells
822 Bromley
823 Cinque Ports (*Hastings, Dover, Hythe, Romney, Sandwich*)
830 **Surrey**
831 Guildford
832 Croydon
833 Godalming

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834 Kingston-on-Thames
835 Reigate
836 Richmond
837 Wimbledon
850 **Essex**
851 Chelmsford
852 Colchester
853 Harwich
854 Leyton
855 Maldon
856 Saffron Walden
857 Southend-on-Sea
858 Walthamstow
859 West Ham
860 Epping Forest
870 **Middlesex**
871 Brentford
872 Ealing
873 Harrow
874 Hornsey
875 Tottenham
876 Willesden
900 **London**
901 North of the Thames
902 West London
903 Hammersmith, (Boro')
904 Fulham —
905 Chelsea —
906 Kensington —
907 Paddington —
908 Westminster (City)
909 St. Martin-in-the-Fields
910 St. George, Hanover Square
911 Westminster Abbey
912 North London
913 St. Marylebone, (Boro')
914 Hampstead —
915 St. Pancras —
916 Islington —
917 Hackney —
918 Stoke Newington —
920 Central London
921 Holborn (Borough)
922 St. Giles
923 St. George, Bloomsbury
924 Inns of Court

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925 City of London
926 Tower of London
927 St. Paul's Cathedral
930 Finsbury (Borough)
931 Clerkenwell
932 Charterhouse
933 St. Sepulchre
934 St. Luke
935 East London
936 Shoreditch (Borough)
937 Bethnal Green —
938 Stepney —
939 Whitechapel
940 Mile End
941 St. George-in-the-East
945 Poplar (Borough)
946 Bow
947 Bromley-by-Bow
950 South of the Thames
951 Greenwich (Borough)
952 Woolwich —
953 Plumstead
954 Eltham
955 Lewisham (Borough)
956 Lee
957 Deptford (Borough)
958 Bermondsey —
959 Rotherhithe
960 St. Olave
961 Southwark (Borough)
962 Newington
963 St. Saviour
964 St. George the Martyr
965 Camberwell (Borough)
966 Lambeth —
967 Battersea —
968 Wandsworth —
969 Clapham
970 Putney
971 Streatham

990 **Channel Islands**
991 Jersey
992 Guernsey
993 Alderney, Sark, etc.

995 **GREAT BRITAIN**

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035 **Assiniboia**
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040 Keewatin
041 Franklin
042 Ungava
043 Hudson Bay
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047 **Ontario**
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049 Hamilton
050 London
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053 Lake Erie
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055 Lake Ontario
056 Thousand Islands
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216	Boston
217	Cambridge
218	Fall River
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221	Worcester
230	**Rhode Island** (1790)
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246	Buffalo
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322	**Mississippi** (1817)
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326	New Orleans
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337	Memphis
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342	Louisville
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354	Cleveland
355	Dayton
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366	**Michigan** (1837)
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368	Detroit
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370	**Wisconsin** (1848)
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467	Portland
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010 Photographers
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019 Composers
020 Violinists
021 Organists
022 Singers (Vocalists)
023 Pianists
024 Astronomers
025 Geologists
026 Chemists
027 Biologists
028 Zoologists
029 Botanists
030 Ethnologists
031 Anatomists
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128	Order of the Guelphs
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130	Order of the Indian Empire
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211 Universal Collections
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220 **Directories, General**
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Zeu	9405				

In using this Table for marking books in small libraries, the two-letter combinations will be found ample for all practical purposes. A series of Authors in Fiction or Poetry, or of Subjects in Biography, would be marked and distinguished as shown on the *left* of the names below :—

352	Cable	352337	363	Clark	363317
	Cade	352382		Clemens	363416
356	Cervantes	356759	366	Collins	366567
	Cettinge	356824		Cosway	366801
359	Chambers	359312	369	Crawford	369322
	Chubb	359832		Crimp	369520

If greater subdivision is required, this can be obtained by combining the two-letter numbers, as shown on the *right* of the names above. To mark books in large libraries the three-letter combinations should be used, as they provide for most ordinary biographical names. In cases where no provision is made for certain alphabetical combinations of three letters, the numbers are to be treated as decimals, so that, as a rule, ten or more new numbers can be inserted, if necessary, between each of the existing numbers. The examples following show this clearly, the numbers on the *left* being the ordinary symbols for three-letter combinations, while those on the *right* show how additional combinations and their numbers can be inserted :—

	Cable	3520	3600	Ciba	
	Caccini	35200		Cicci	36000
3521	Cade		3630	Clark	
3563	Cervantes		3633	Clemens	
3564	Cessio		3635	Clibborn	
	Cettinge	35640	3637	Clown	
3590	Chambers		3638	Cluse	
3592	Cheesewright		3662	Collins	
3593	Chichane		3663	Comerford	
	Chladni	35933	3664	Connie	
3594	Chore		3665	Coote	
3596	Chubb			Cope	36650
	Chyle	35963		Coquelin	36651
360	Ciaca				

The main advantages of this scheme are that it gives a constant place for any kind of alphabetical combination; it insures perfect numerical and alphabetical order: in many cases the numerical symbol is less lengthy than the full names, and it provides for the needs of any kind of library. The disadvantages of all previous schemes have been their merely partial character, and the impossibility of determining exactly how a new name was to be marked. This fixed place Table will doubtless satisfy those who prefer that alphabetical combinations should be translated into a numerical progression, but at best, as already stated in the Introduction, the method is a makeshift one, which, in a great many cases, is unnecessary.

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